

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: P857437

Luminaire Tested: **LX4C25D010 EX4C259730 4LBWH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857437  
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: LX4C25D010 EX4C259730 4LBWH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

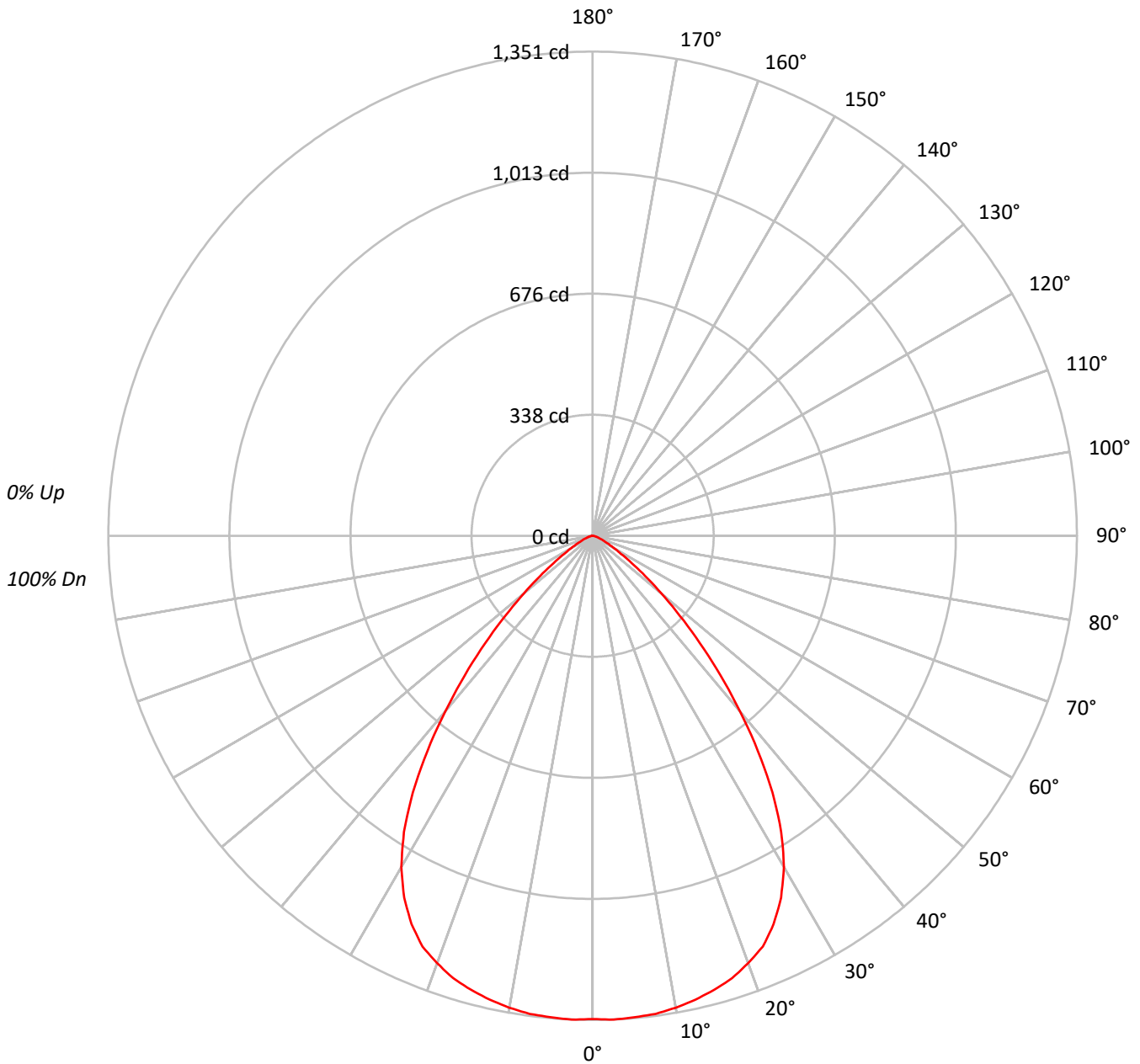
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2092.0 lumens  
Efficiency: N/A  
Efficacy: 66.4 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): 31.5  
Input Voltage (V):  
Input Current (Ain): 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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	165656
5°	166288
10°	166801
15°	166806
20°	165893
25°	162000
30°	151420
35°	131124
40°	102431
45°	73492
50°	47743
55°	28573
60°	16733
65°	10727
70°	7148
75°	5411
80°	4033
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	6.1
10°-20°	370.0	17.7
20°-30°	546.0	26.1
30°-40°	538.8	25.8
40°-50°	329.7	15.8
50°-60°	126.4	6.0
60°-70°	39.5	1.9
70°-80°	11.6	0.6
80°-90°	1.5	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°	1044.4	49.9
0°-40°	1583.2	75.7
0°-60°	2039.4	97.5
0°-90°	2092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2092.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1348	
5°	1348	128
15°	1312	370
25°	1195	546
35°	874	539
45°	423	330
55°	133	126
65°	37	40
75°	11	12
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1348.4
2.5°	1351.3
5°	1348.4
7.5°	1345.6
10°	1337.1
12.5°	1325.7
15°	1311.5
17.5°	1294.4
20°	1268.9
22.5°	1240.6
25°	1195.1
27.5°	1138.3
30°	1067.4
32.5°	979.4
35°	874.3
37.5°	757.9
40°	638.7
42.5°	528.0
45°	423.0
47.5°	329.2
50°	249.8
52.5°	184.6
55°	133.4
57.5°	93.6
60°	68.1
62.5°	51.1
65°	36.9
67.5°	28.4
70°	19.9
72.5°	14.2
75°	11.4
77.5°	5.7
80°	5.7
82.5°	2.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)