

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: P857302

Luminaire Tested: **LX4C20D010 EX4C209030 4LBWH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857302  
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: LX4C20D010 EX4C209030 4LBWH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

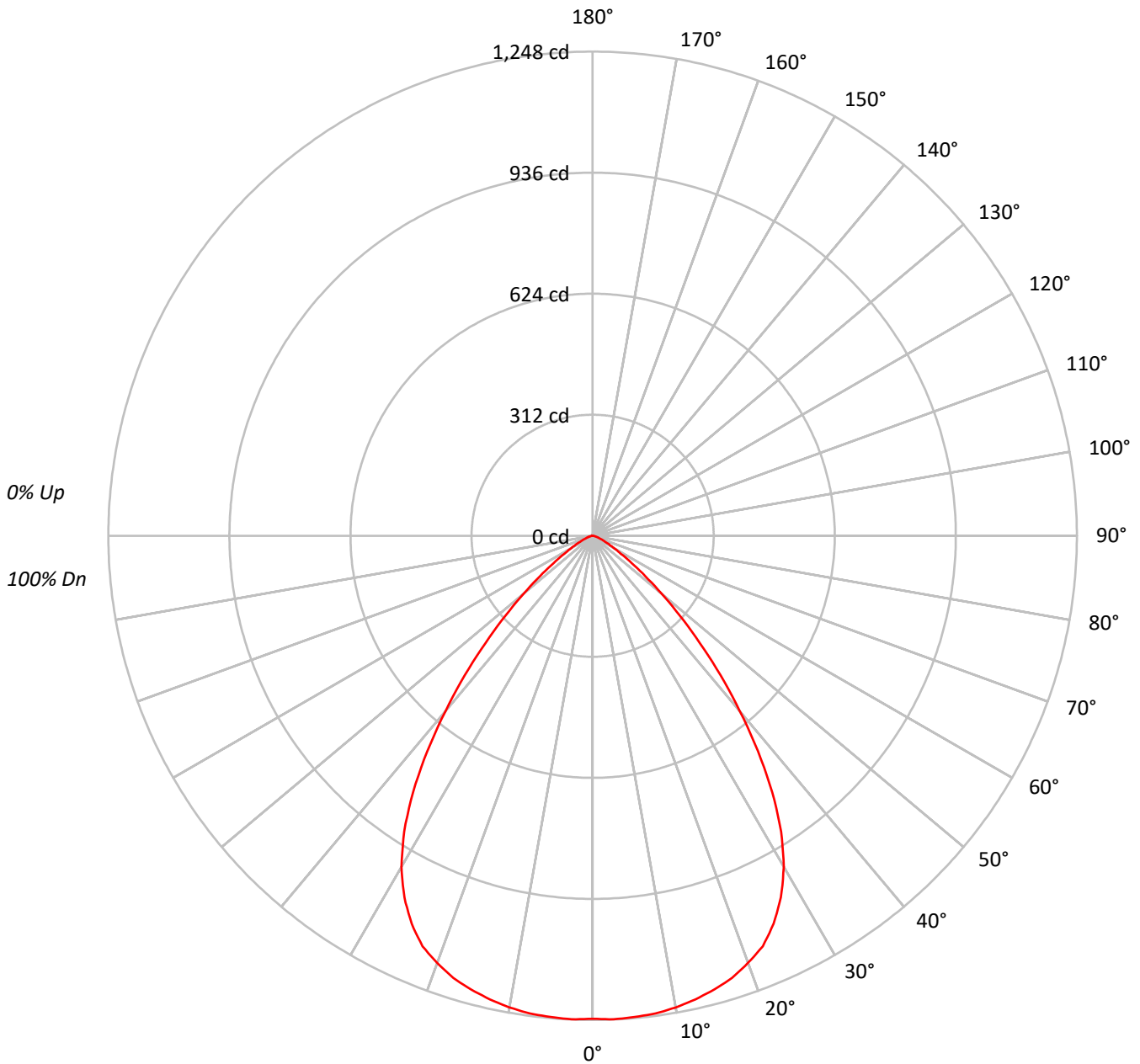
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1931.3 lumens  
Efficiency: N/A  
Efficacy: 59.2 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): 32.6  
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			
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°	152940
5°	153524
10°	153990
15°	153998
20°	153159
25°	149570
30°	139788
35°	121046
40°	94556
45°	67863
50°	44074
55°	26388
60°	15455
65°	9913
70°	6573
75°	4937
80°	3679
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	6.1
10°-20°	341.6	17.7
20°-30°	504.1	26.1
30°-40°	497.4	25.8
40°-50°	304.4	15.8
50°-60°	116.7	6.0
60°-70°	36.5	1.9
70°-80°	10.6	0.6
80°-90°	1.4	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°	964.2	49.9
0°-40°	1461.6	75.7
0°-60°	1882.7	97.5
0°-90°	1931.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1245	
5°	1245	119
15°	1211	342
25°	1103	504
35°	807	497
45°	391	304
55°	123	117
65°	34	36
75°	10	11
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1244.9
2.5°	1247.6
5°	1244.9
7.5°	1242.2
10°	1234.4
12.5°	1223.9
15°	1210.8
17.5°	1195.0
20°	1171.5
22.5°	1145.4
25°	1103.4
27.5°	1050.8
30°	985.4
32.5°	904.2
35°	807.1
37.5°	699.7
40°	589.6
42.5°	487.4
45°	390.6
47.5°	303.9
50°	230.6
52.5°	170.4
55°	123.2
57.5°	86.4
60°	62.9
62.5°	47.2
65°	34.1
67.5°	26.2
70°	18.3
72.5°	13.1
75°	10.4
77.5°	5.2
80°	5.2
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)