

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: P859311

Luminaire Tested: **LX4C60D010 EX4C609030 4LBNLI**

Issue Date: 1/21/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C60D010 EX4C609030 4LBNLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBN TRIM WITH LI FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

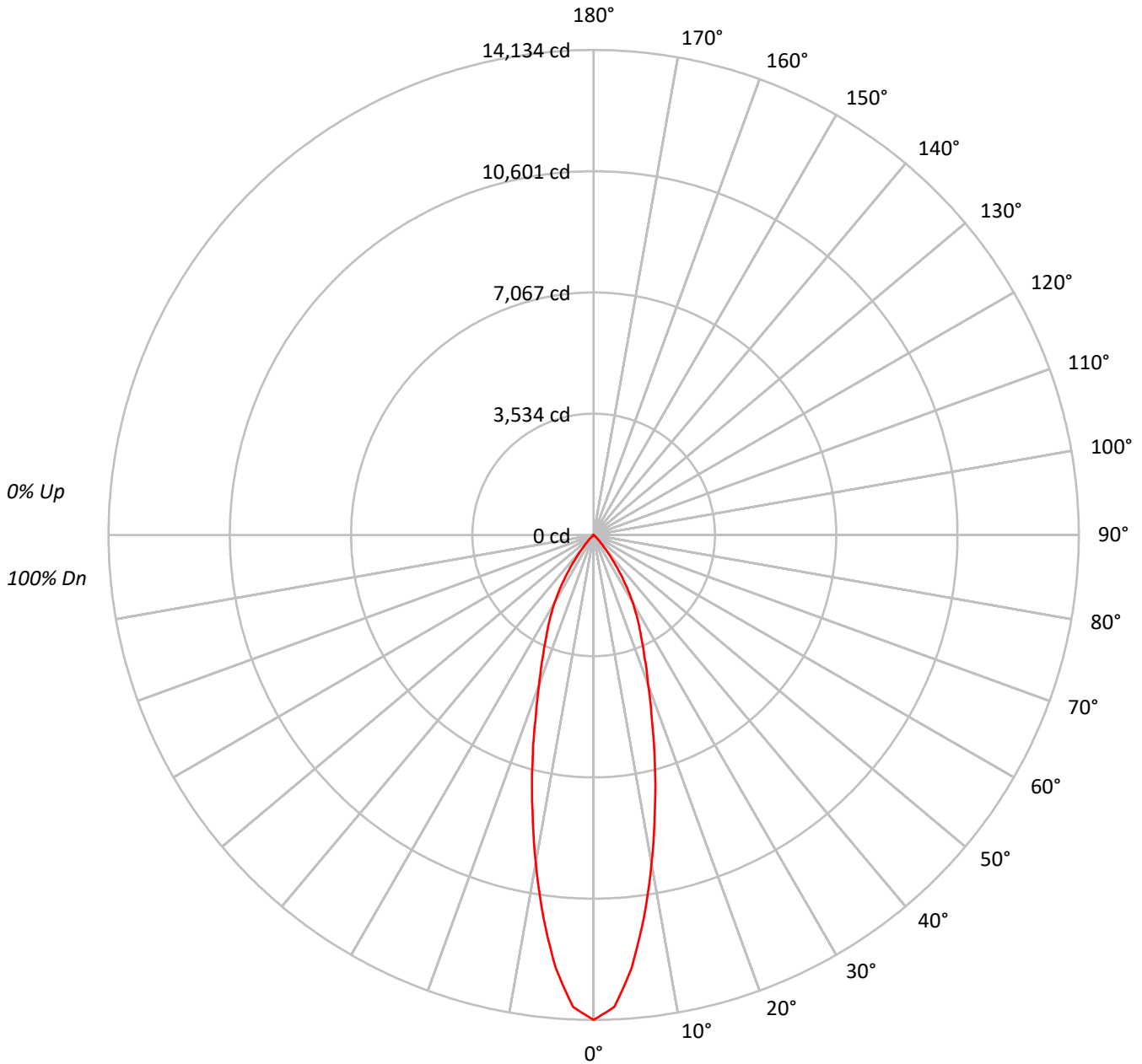
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5492.0 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 97.5  
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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90			90																
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73			73																
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66			66																
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63			63																
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61			61																

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

	0°
0°	1736350
5°	1562536
10°	1211310
15°	876740
20°	607069
25°	442556
30°	321566
35°	190290
40°	80027
45°	24949
50°	3249
55°	1799
60°	2064
65°	2442
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1113.8	20.3
10°-20°	1906.8	34.7
20°-30°	1515.5	27.6
30°-40°	802.2	14.6
40°-50°	138.2	2.5
50°-60°	10.3	0.2
60°-70°	5.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	4536.1	82.6
0°-40°	5338.4	97.2
0°-60°	5486.9	99.9
0°-90°	5492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5492.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14134	
5°	12670	###
15°	6893	1907
25°	3265	1515
35°	1269	802
45°	144	138
55°	8	10
65°	8	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14133.5
2.5°	13769.7
5°	12670.3
7.5°	11232.5
10°	9710.0
12.5°	8238.3
15°	6893.3
17.5°	5641.5
20°	4643.4
22.5°	3882.1
25°	3264.8
27.5°	2765.9
30°	2266.8
32.5°	1759.3
35°	1268.8
37.5°	837.5
40°	499.0
42.5°	287.7
45°	143.6
47.5°	50.9
50°	17.0
52.5°	17.0
55°	8.4
57.5°	8.4
60°	8.4
62.5°	8.4
65°	8.4
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)