

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: P859332

Luminaire Tested: **LX4C65D010 EX4C659027 4LBNLI**

Issue Date: 1/21/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859332  
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: LX4C65D010 EX4C659027 4LBNLI  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBN TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver:

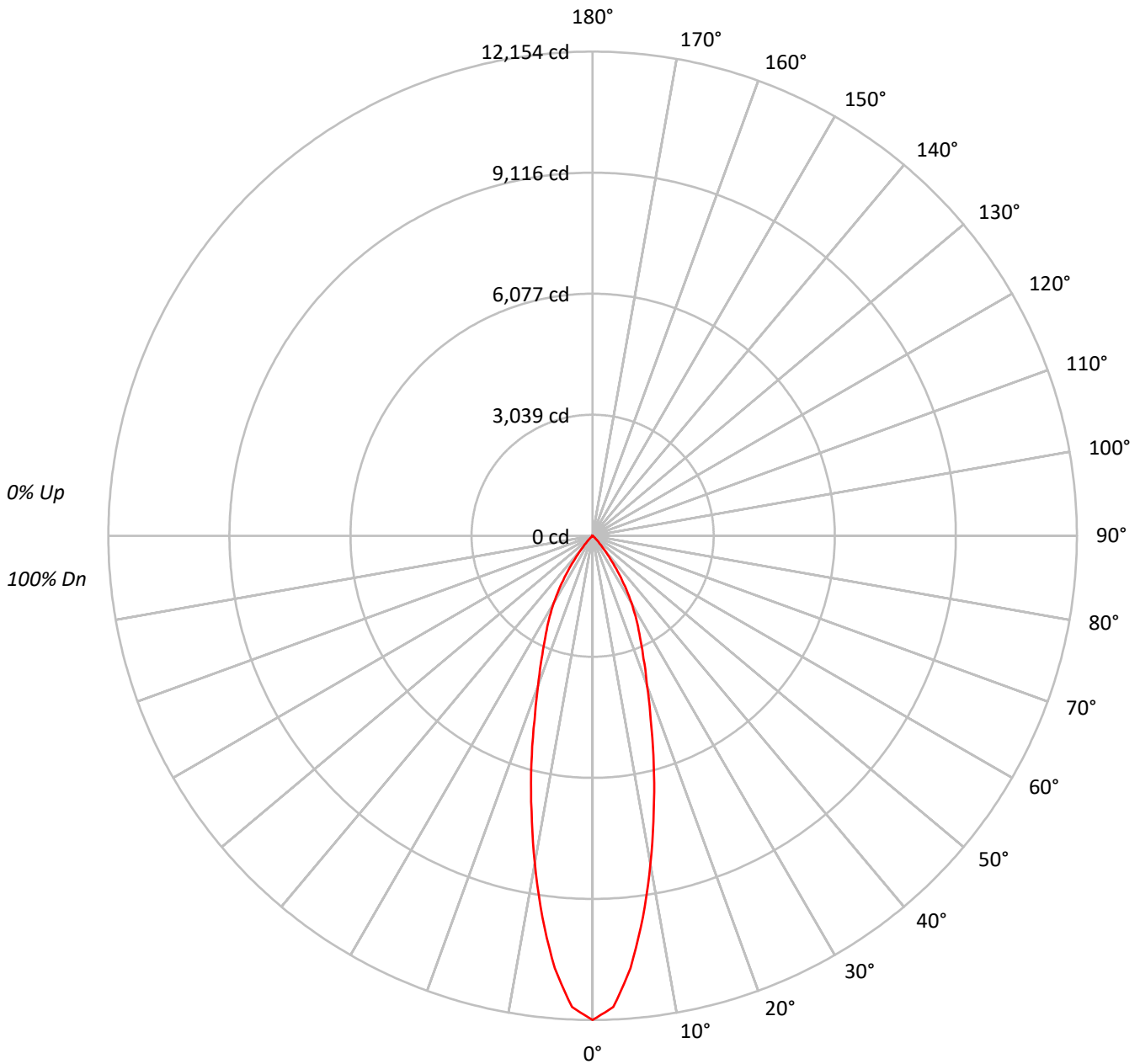
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4723.1 lumens  
Efficiency: N/A  
Efficacy: 65.2 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): 72.4  
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°	1493198
5°	1343725
10°	1041676
15°	753966
20°	522063
25°	380594
30°	276540
35°	163639
40°	68832
45°	21457
50°	2790
55°	1564
60°	1794
65°	2122
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	957.8	20.3
10°-20°	1639.8	34.7
20°-30°	1303.2	27.6
30°-40°	689.9	14.6
40°-50°	118.9	2.5
50°-60°	8.9	0.2
60°-70°	4.5	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°	3900.9	82.6
0°-40°	4590.8	97.2
0°-60°	4718.6	99.9
0°-90°	4723.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4723.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12154	
5°	10896	958
15°	5928	1640
25°	2808	1303
35°	1091	690
45°	124	119
55°	7	9
65°	7	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12154.3
2.5°	11841.4
5°	10896.0
7.5°	9659.5
10°	8350.2
12.5°	7084.6
15°	5928.0
17.5°	4851.5
20°	3993.2
22.5°	3338.5
25°	2807.7
27.5°	2378.5
30°	1949.4
32.5°	1513.0
35°	1091.1
37.5°	720.2
40°	429.2
42.5°	247.4
45°	123.5
47.5°	43.7
50°	14.6
52.5°	14.6
55°	7.3
57.5°	7.3
60°	7.3
62.5°	7.3
65°	7.3
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)