

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: P857363

Luminaire Tested: **LX4C25D010 EX4C259030 4LBNLI**

Issue Date: 1/21/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857363  
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: LX4C25D010 EX4C259030 4LBNLI  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBN TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver:

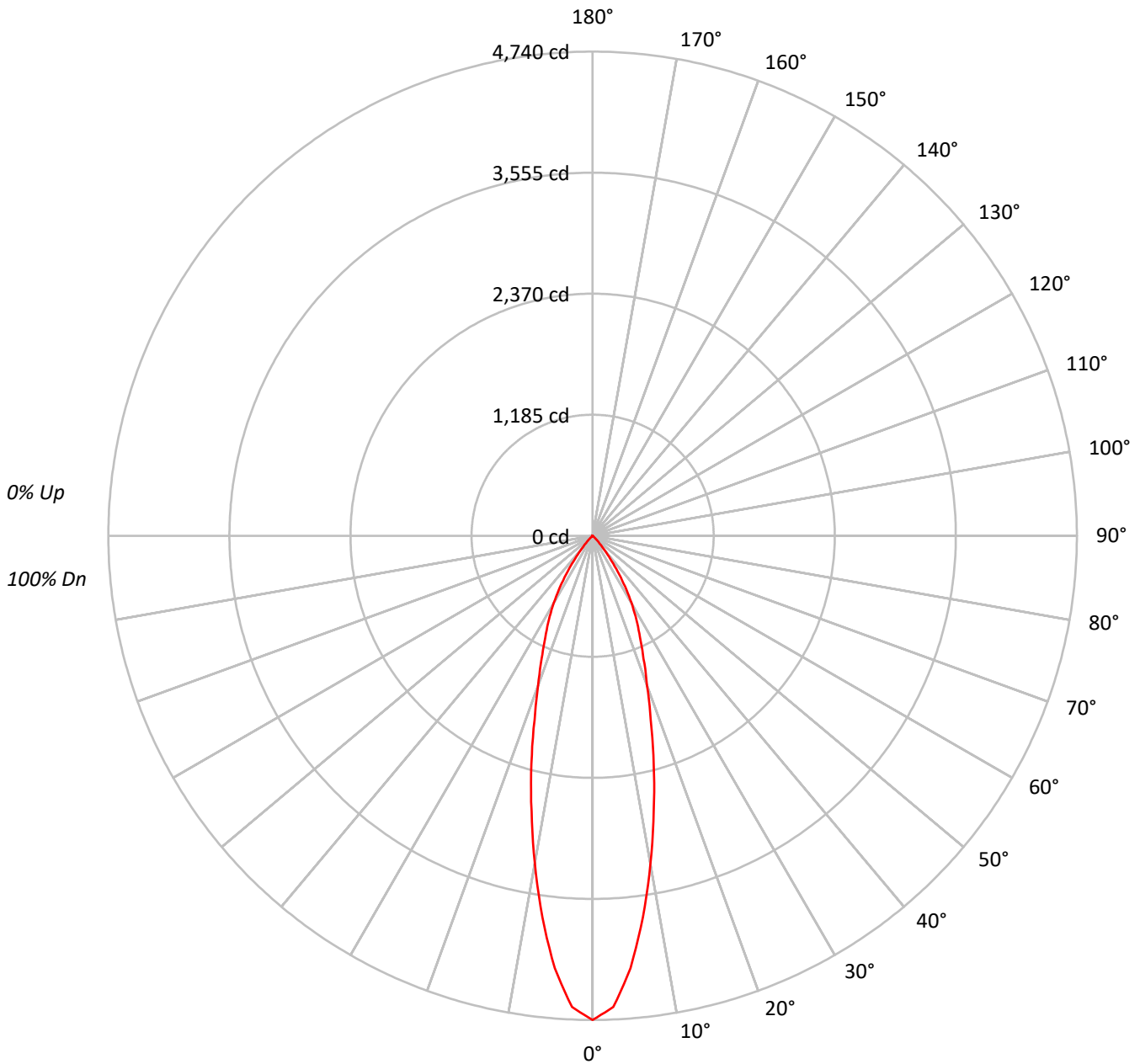
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1842.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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): 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

TEST NUMBER: P857363

CATALOG NUMBER: LX4C25D010 EX4C259030 4LBNLI

### Luminous Intensity Polar Plot





TEST NUMBER: P857363

CATALOG NUMBER: LX4C25D010 EX4C259030 4LBNLI

**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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																											
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																											
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																											
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																											
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																											
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																											
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																											
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																											

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

	0°
0°	582362
5°	524060
10°	406257
15°	294044
20°	203611
25°	148431
30°	107855
35°	63815
40°	26847
45°	8374
50°	1089
55°	600
60°	688
65°	814
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P857363

CATALOG NUMBER: LX4C25D010 EX4C259030 4LBNLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.6	20.3
10°-20°	639.5	34.7
20°-30°	508.3	27.6
30°-40°	269.1	14.6
40°-50°	46.4	2.5
50°-60°	3.5	0.2
60°-70°	1.7	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°	1521.4	82.6
0°-40°	1790.4	97.2
0°-60°	1840.2	99.9
0°-90°	1842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4740	
5°	4250	374
15°	2312	640
25°	1095	508
35°	426	269
45°	48	46
55°	3	3
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P857363

CATALOG NUMBER: LX4C25D010 EX4C259030 4LBNLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4740.3
2.5°	4618.2
5°	4249.5
7.5°	3767.3
10°	3256.6
12.5°	2763.0
15°	2311.9
17.5°	1892.1
20°	1557.4
22.5°	1302.0
25°	1095.0
27.5°	927.6
30°	760.3
32.5°	590.1
35°	425.5
37.5°	280.9
40°	167.4
42.5°	96.5
45°	48.2
47.5°	17.0
50°	5.7
52.5°	5.7
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.8
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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)