

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: P859543

Luminaire Tested: **LX4C75D010 EX4C759027 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859543  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C75D010 EX4C759027 4LBMDLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

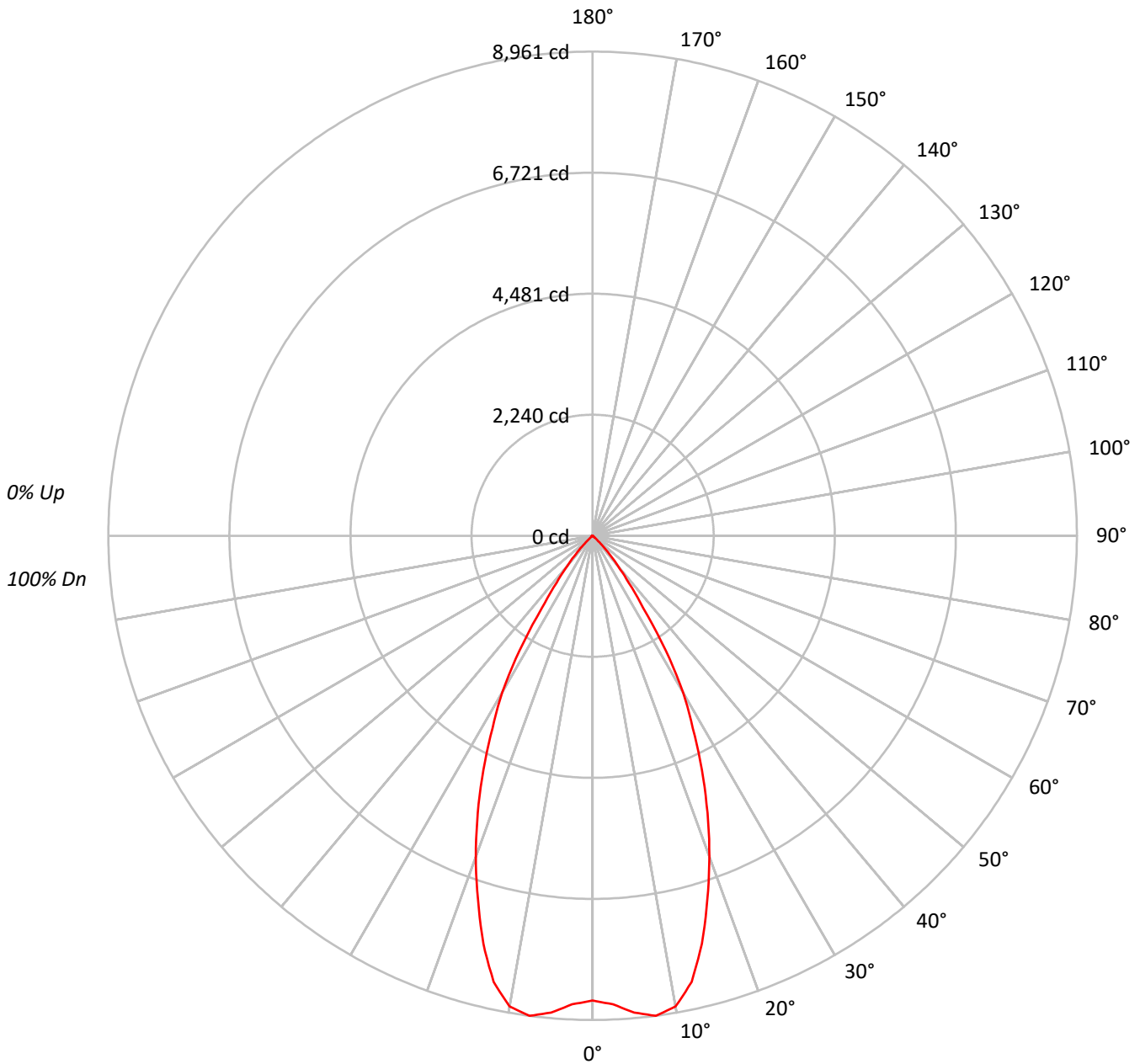
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6547.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 81.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: P859543

CATALOG NUMBER: LX4C75D010 EX4C759027 4LBMDLI

### Luminous Intensity Polar Plot





TEST NUMBER: P859543

CATALOG NUMBER: LX4C75D010 EX4C759027 4LBMDLI

**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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

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

	0°
0°	1056417
5°	1092405
10°	1103477
15°	994019
20°	826068
25°	648083
30°	474305
35°	245106
40°	116399
45°	40951
50°	9251
55°	6019
60°	4226
65°	3169
70°	2227
75°	1471
80°	1132
85°	0



TEST NUMBER: P859543

CATALOG NUMBER: LX4C75D010 EX4C759027 4LBMDLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	846.1	12.9
10°-20°	2152.7	32.9
20°-30°	2178.3	33.3
30°-40°	1110.5	17.0
40°-50°	217.7	3.3
50°-60°	26.4	0.4
60°-70°	10.9	0.2
70°-80°	3.9	0.1
80°-90°	0.7	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°	5177.0	79.1
0°-40°	6287.5	96.0
0°-60°	6531.5	99.8
0°-90°	6547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6547.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8599	
5°	8858	846
15°	7815	2153
25°	4781	2178
35°	1634	1110
45°	236	218
55°	28	26
65°	11	11
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P859543

CATALOG NUMBER: LX4C75D010 EX4C759027 4LBMDLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8599.0
2.5°	8678.6
5°	8858.1
7.5°	8961.1
10°	8845.6
12.5°	8457.0
15°	7815.4
17.5°	7058.4
20°	6318.5
22.5°	5552.1
25°	4781.0
27.5°	4013.1
30°	3343.5
32.5°	2519.3
35°	1634.3
37.5°	1094.2
40°	725.8
42.5°	455.8
45°	235.7
47.5°	84.3
50°	48.4
52.5°	35.9
55°	28.1
57.5°	21.9
60°	17.2
62.5°	14.0
65°	10.9
67.5°	7.8
70°	6.2
72.5°	4.7
75°	3.1
77.5°	3.1
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)