

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: P859243

Luminaire Tested: **LX4C60D010 EX4C609040 4LBNH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C60D010 EX4C609040 4LBNH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBN TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

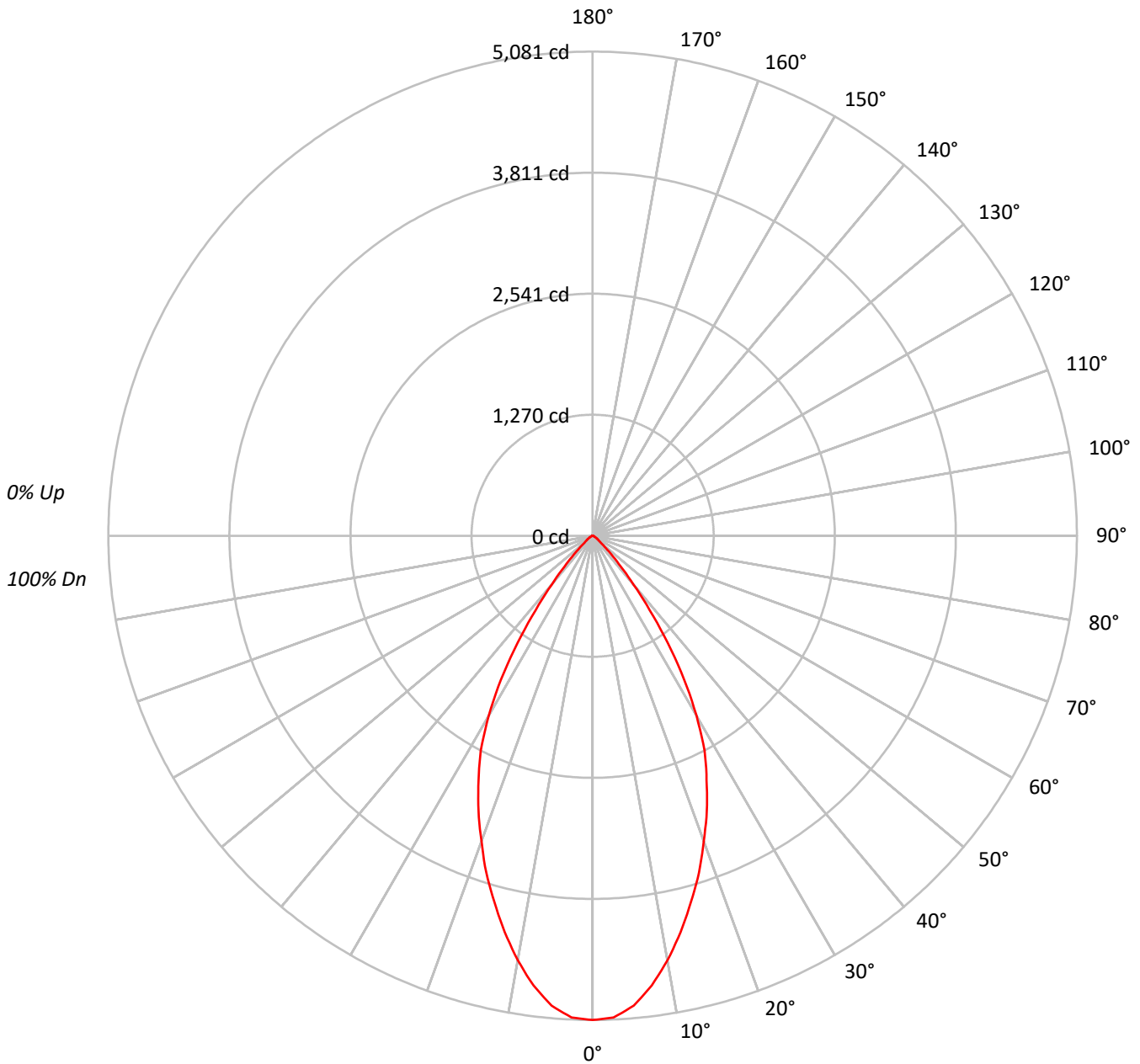
Lumens per Lamp: N/A  
Luminaire Lumens: 4047.1 lumens  
Efficiency: N/A  
Efficacy: 56.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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: P859243

CATALOG NUMBER: LX4C60D010 EX4C609040 4LBNH

### Luminous Intensity Polar Plot





TEST NUMBER: P859243

CATALOG NUMBER: LX4C60D010 EX4C609040 4LBNH

**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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	624243
5°	610349
10°	564326
15°	506371
20°	445751
25°	383617
30°	308912
35°	205648
40°	106985
45°	48422
50°	21024
55°	14094
60°	9042
65°	6424
70°	5280
75°	3513
80°	0
85°	0



TEST NUMBER: P859243

CATALOG NUMBER: LX4C60D010 EX4C609040 4LBNH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.4	11.3
10°-20°	1112.0	27.5
20°-30°	1291.1	31.9
30°-40°	855.0	21.1
40°-50°	239.8	5.9
50°-60°	60.3	1.5
60°-70°	22.7	0.6
70°-80°	7.8	0.2
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°	2861.5	70.7
0°-40°	3716.5	91.8
0°-60°	4016.6	99.2
0°-90°	4047.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4047.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5081	
5°	4949	458
15°	3981	1112
25°	2830	1291
35°	1371	855
45°	279	240
55°	66	60
65°	22	23
75°	7	8
85°	0	0
90°	0	



TEST NUMBER: P859243

CATALOG NUMBER: LX4C60D010 EX4C609040 4LBNH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5081.2
2.5°	5059.1
5°	4949.2
7.5°	4758.3
10°	4523.7
12.5°	4259.7
15°	3981.3
17.5°	3710.0
20°	3409.5
22.5°	3130.8
25°	2830.0
27.5°	2544.3
30°	2177.6
32.5°	1789.0
35°	1371.2
37.5°	982.5
40°	667.1
42.5°	432.5
45°	278.7
47.5°	168.8
50°	110.0
52.5°	80.5
55°	65.8
57.5°	51.5
60°	36.8
62.5°	29.4
65°	22.1
67.5°	14.7
70°	14.7
72.5°	7.4
75°	7.4
77.5°	7.4
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)