

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: P499767

Luminaire Tested: **LDA2B159727R70D010 2LBDLC1MMS**

Issue Date: 3/9/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P499767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159727R70D010 2LBDLC1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

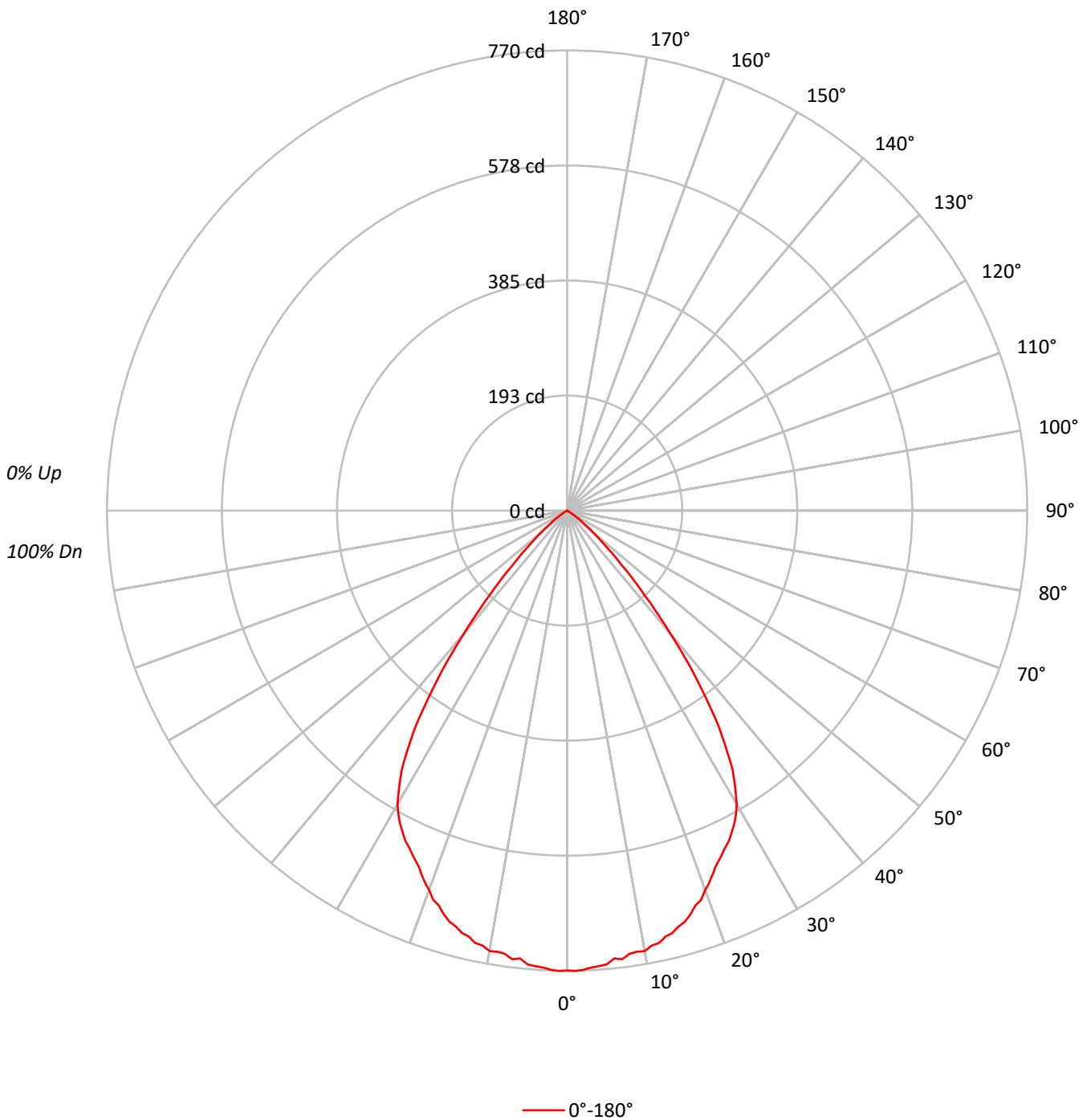
Lumens per Lamp: N/A  
Luminaire Lumens: 958.8 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
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: P499767

CATALOG NUMBER: LDA2B159727R70D010 2LBDLC1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P499767

CATALOG NUMBER: LDA2B159727R70D010 2LBDLC1MMS

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46	55	50	46	54	49	46	45

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

	0°
0°	379642
5°	377427
10°	374928
15°	367956
20°	354654
25°	339520
30°	323410
35°	266872
40°	173439
45°	90634
50°	42138
55°	15483
60°	1579
65°	1284
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P499767

CATALOG NUMBER: LDA2B159727R70D010 2LBDLC1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.1	7.5
10°-20°	202.4	21.1
20°-30°	287.3	30.0
30°-40°	268.7	28.0
40°-50°	108.1	11.3
50°-60°	18.9	2.0
60°-70°	0.9	0.1
70°-80°	0.5	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°	561.8	58.6
0°-40°	830.5	86.6
0°-60°	957.5	99.9
0°-90°	958.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	770	
5°	762	72
15°	720	202
25°	624	287
35°	443	269
45°	130	108
55°	18	19
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499767

CATALOG NUMBER: LDA2B159727R70D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	769.5
1°	770.5
2°	769.0
3°	765.8
4°	764.2
5°	762.1
6°	753.6
7°	756.3
8°	748.9
9°	747.3
10°	748.4
11°	741.5
12°	739.9
13°	731.5
14°	728.3
15°	720.4
16°	715.6
17°	706.1
18°	695.0
19°	688.7
20°	675.5
21°	665.4
22.5°	647.0
23°	642.2
24°	633.2
25°	623.7
26°	616.3
27°	605.8
28°	595.2
29°	582.5
30°	567.7
32.5°	516.0
35°	443.1
37.5°	357.0
40°	269.3
42.5°	192.2
45°	129.9
47.5°	85.6
50°	54.9
52.5°	34.3
55°	18.0
57.5°	5.8
60°	1.6
62.5°	1.1
65°	1.1



TEST NUMBER: P499767

CATALOG NUMBER: LDA2B159727R70D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)