

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: P499748

Luminaire Tested: **LDA2B159727R70D010 2LBD1H**

Issue Date: 3/8/2021

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: P499748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159727R70D010 2LBD1H  
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

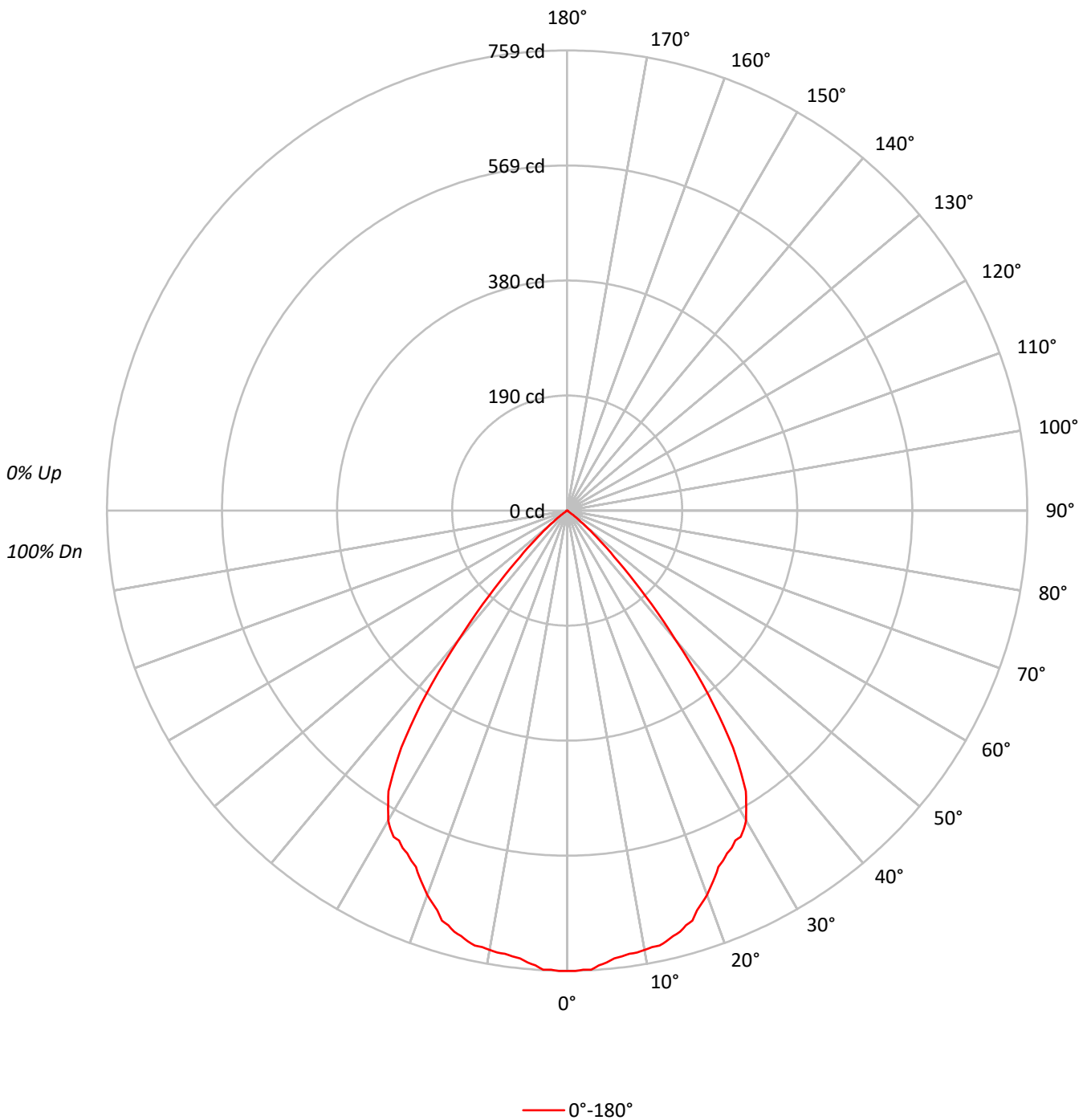
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 958.9 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
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: P499748  
CATALOG NUMBER: LDA2B159727R70D010 2LBD1H

### Luminous Intensity Polar Plot





TEST NUMBER: P499748

CATALOG NUMBER: LDA2B159727R70D010 2LBD1H

**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	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

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

	0°
0°	374659
5°	370543
10°	368666
15°	367394
20°	354287
25°	339683
30°	336228
35°	287169
40°	179171
45°	82889
50°	30011
55°	2064
60°	987
65°	1167
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P499748

CATALOG NUMBER: LDA2B159727R70D010 2LBD1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.0	7.4
10°-20°	201.5	21.0
20°-30°	289.7	30.2
30°-40°	285.5	29.8
40°-50°	101.7	10.6
50°-60°	8.4	0.9
60°-70°	0.8	0.1
70°-80°	0.3	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°	562.1	58.6
0°-40°	847.7	88.4
0°-60°	957.8	99.9
0°-90°	958.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	759	
5°	748	71
15°	719	201
25°	624	290
35°	477	286
45°	119	102
55°	2	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499748

CATALOG NUMBER: LDA2B159727R70D010 2LBD1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	759.4
1°	759.4
2°	757.9
3°	758.4
4°	752.1
5°	748.2
6°	742.8
7°	740.8
8°	738.4
9°	737.9
10°	735.9
11°	733.5
12°	733.5
13°	729.1
14°	723.2
15°	719.3
16°	711.5
17°	707.1
18°	693.4
19°	684.1
20°	674.8
21°	662.6
22.5°	645.5
23°	638.6
24°	632.3
25°	624.0
26°	619.1
27°	610.8
28°	609.8
29°	601.0
30°	590.2
32.5°	548.6
35°	476.8
37.5°	383.4
40°	278.2
42.5°	190.2
45°	118.8
47.5°	70.9
50°	39.1
52.5°	14.7
55°	2.4
57.5°	1.5
60°	1.0
62.5°	1.0
65°	1.0



TEST NUMBER: P499748

CATALOG NUMBER: LDA2B159727R70D010 2LBD1H

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)