

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: P499550

Luminaire Tested: **LDA2B159050R70D010 2LBDLC1MB**

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: P499550  
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: LDA2B159050R70D010 2LBDLC1MB  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

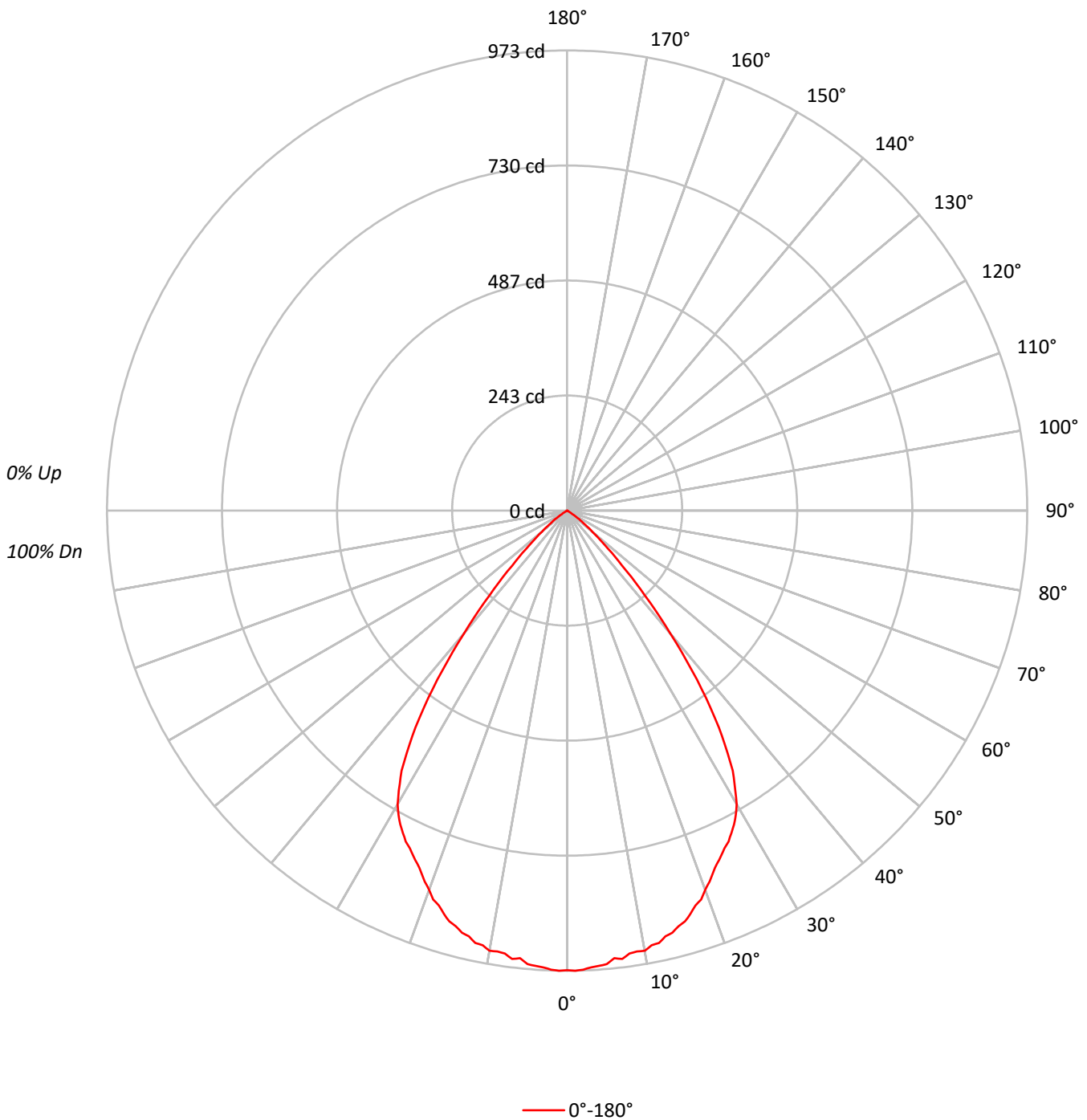
Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1211.1 lumens  
Efficiency: N/A  
Efficacy: 85.9 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: P499550  
CATALOG NUMBER: LDA2B159050R70D010 2LBDLC1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P499550

CATALOG NUMBER: LDA2B159050R70D010 2LBDLC1MB

**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°	479449
5°	476675
10°	473519
15°	464695
20°	447899
25°	428850
30°	408464
35°	337038
40°	219102
45°	114496
50°	53267
55°	19525
60°	1973
65°	1518
70°	1010
75°	1334
80°	0
85°	0



TEST NUMBER: P499550

CATALOG NUMBER: LDA2B159050R70D010 2LBDLC1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.0	7.5
10°-20°	255.7	21.1
20°-30°	362.9	30.0
30°-40°	339.3	28.0
40°-50°	136.5	11.3
50°-60°	23.9	2.0
60°-70°	1.1	0.1
70°-80°	0.6	0.1
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°	709.6	58.6
0°-40°	1048.9	86.6
0°-60°	1209.3	99.9
0°-90°	1211.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	972	
5°	962	91
15°	910	256
25°	788	363
35°	560	339
45°	164	136
55°	23	24
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P499550

CATALOG NUMBER: LDA2B159050R70D010 2LBDLC1MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	971.8
1°	973.2
2°	971.2
3°	967.2
4°	965.2
5°	962.5
6°	951.8
7°	955.2
8°	945.8
9°	943.8
10°	945.2
11°	936.5
12°	934.5
13°	923.8
14°	919.8
15°	909.8
16°	903.8
17°	891.8
18°	877.8
19°	869.8
20°	853.1
21°	840.4
22.5°	817.1
23°	811.1
24°	799.8
25°	787.8
26°	778.4
27°	765.1
28°	751.7
29°	735.7
30°	717.0
32.5°	651.7
35°	559.6
37.5°	450.9
40°	340.2
42.5°	242.8
45°	164.1
47.5°	108.1
50°	69.4
52.5°	43.4
55°	22.7
57.5°	7.3
60°	2.0
62.5°	1.3
65°	1.3



TEST NUMBER: P499550

CATALOG NUMBER: LDA2B159050R70D010 2LBDLC1MB

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)