

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: P498931

Luminaire Tested: **LDA2B159035R20D010 2LBDL1B**

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: P498931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159035R20D010 2LBDL1B  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

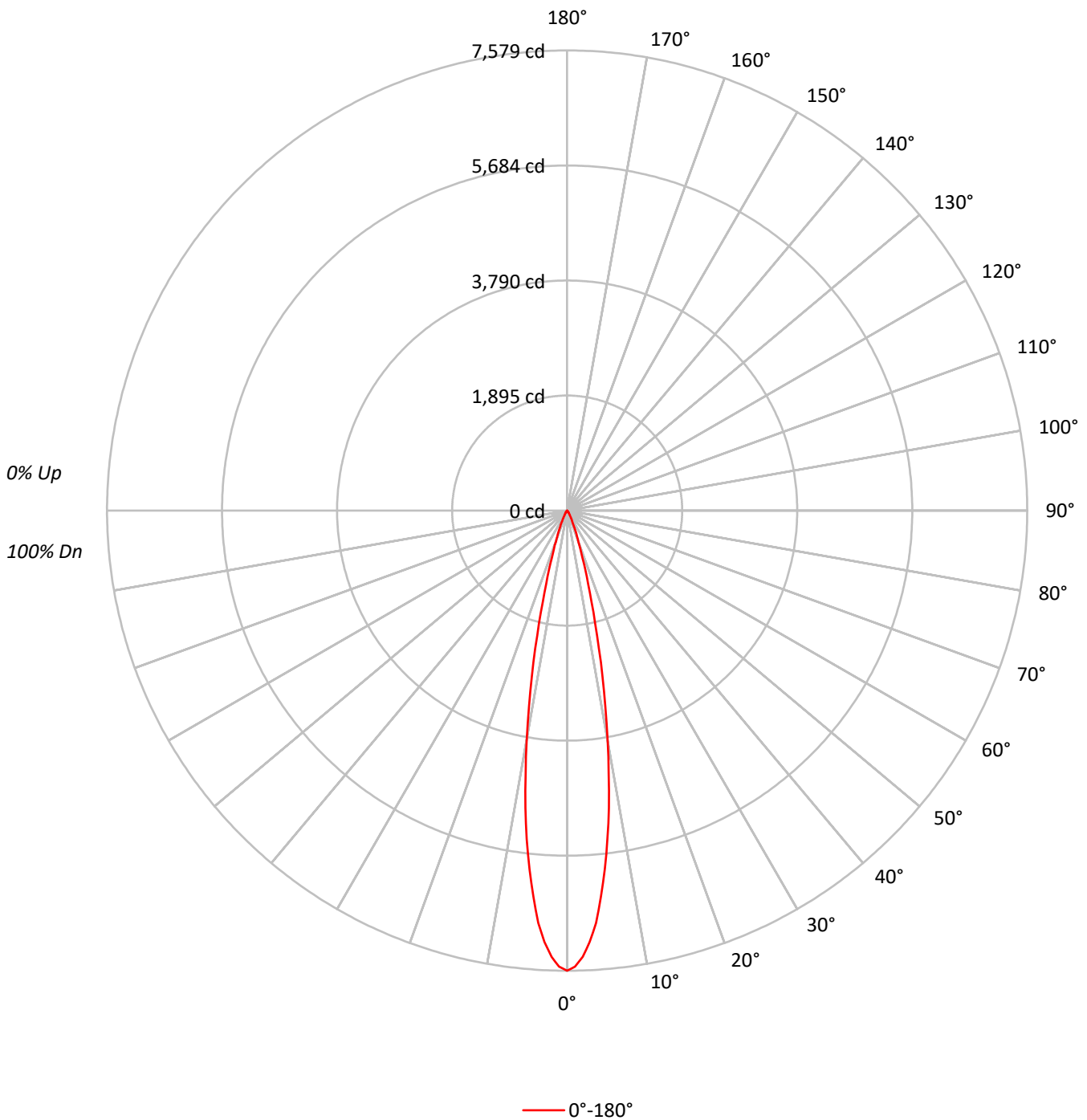
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1131.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34  
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: P498931  
CATALOG NUMBER: LDA2B159035R20D010 2LBDL1B

### Luminous Intensity Polar Plot





TEST NUMBER: P498931

CATALOG NUMBER: LDA2B159035R20D010 2LBDL1B

**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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	104	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	90		94	92	90		93	91	89	88
6	101	95	91	89	100	95	91	88	93	90	88		92	89	87		91	89	87	86
7	98	93	89	86	97	92	89	86	91	88	86		90	87	85		89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84		88	85	83		87	85	83	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	81
10	92	86	83	80	91	86	83	80	85	82	80		85	82	80		84	82	80	79

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

	0°
0°	3738992
5°	3160316
10°	1925589
15°	792198
20°	285246
25°	114371
30°	51955
35°	24453
40°	12881
45°	6977
50°	4068
55°	2064
60°	1184
65°	700
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498931

CATALOG NUMBER: LDA2B159035R20D010 2LBDL1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	526.4	46.5
10°-20°	455.3	40.3
20°-30°	109.7	9.7
30°-40°	28.1	2.5
40°-50°	8.5	0.7
50°-60°	2.4	0.2
60°-70°	0.6	0.1
70°-80°	0.0	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°	1091.4	96.5
0°-40°	1119.5	99.0
0°-60°	1130.4	99.9
0°-90°	1131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7579	
5°	6381	526
15°	1551	455
25°	210	110
35°	41	28
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498931

CATALOG NUMBER: LDA2B159035R20D010 2LBDL1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7578.6
1°	7512.7
2°	7355.5
3°	7116.5
4°	6808.7
5°	6381.3
6°	5939.9
7°	5452.5
8°	4946.2
9°	4378.2
10°	3843.7
11°	3285.1
12°	2795.4
13°	2332.1
14°	1907.2
15°	1551.0
16°	1256.7
17°	1014.8
18°	818.8
19°	673.4
20°	543.3
22.5°	334.9
25°	210.1
27.5°	136.6
30°	91.2
32.5°	60.0
35°	40.6
37.5°	28.3
40°	20.0
42.5°	14.1
45°	10.0
47.5°	7.7
50°	5.3
52.5°	3.5
55°	2.4
57.5°	1.8
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P498931

CATALOG NUMBER: LDA2B159035R20D010 2LBDL1B

**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)