

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: P498284

Luminaire Tested: **LDA2B159024R20D010 2LBDL1GPH**

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: P498284  
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: LDA2B159024R20D010 2LBDL1GPH  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

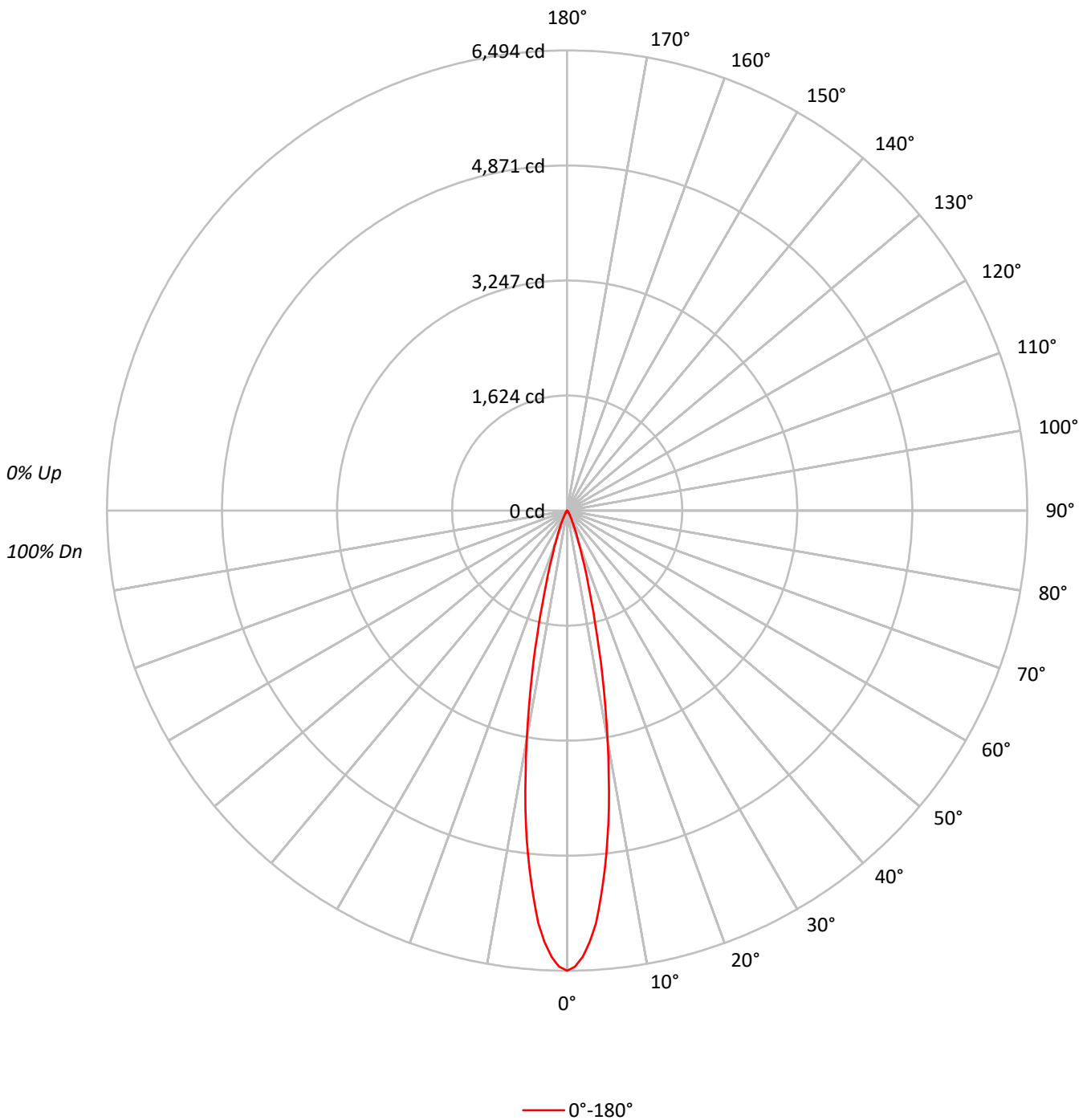
Lumens per Lamp: N/A  
Luminaire Lumens: 969.1 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P498284

CATALOG NUMBER: LDA2B159024R20D010 2LBDL1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P498284

CATALOG NUMBER: LDA2B159024R20D010 2LBDL1GPH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20							
RC	80				70				50				30				10							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	105	104	103	102	102	100	100	99	99	97	97	97	97
2	112	109	106	104	110	107	105	102	104	102	100	100	101	100	98	98	98	97	96	96	95	95	95	95
3	109	105	101	99	107	103	100	98	101	98	96	96	99	97	95	95	97	95	94	94	92	92	92	92
4	106	101	98	95	104	100	97	94	98	95	93	93	96	94	92	92	95	93	91	91	90	90	90	90
5	103	98	94	92	102	97	94	91	96	93	90	90	94	92	90	90	93	91	89	89	88	88	88	88
6	101	95	91	89	100	95	91	88	93	90	88	88	92	89	87	87	91	89	87	87	86	86	86	86
7	98	93	89	86	97	92	89	86	91	88	86	86	90	87	85	85	89	87	85	85	84	84	84	84
8	96	90	87	84	95	90	86	84	89	86	84	84	88	85	83	83	87	85	83	83	82	82	82	82
9	94	88	85	82	93	88	84	82	87	84	82	82	86	84	82	82	86	83	81	81	81	81	81	81
10	92	86	83	80	91	86	83	80	85	82	80	80	85	82	80	80	84	82	80	80	79	79	79	79

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

0°	
0°	3203793
5°	2707958
10°	1650004
15°	678808
20°	244399
25°	98040
30°	44549
35°	20959
40°	11013
45°	6000
50°	3454
55°	1720
60°	987
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498284

CATALOG NUMBER: LDA2B159024R20D010 2LBDL1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.0	46.5
10°-20°	390.1	40.3
20°-30°	94.0	9.7
30°-40°	24.1	2.5
40°-50°	7.2	0.7
50°-60°	2.0	0.2
60°-70°	0.5	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°	935.2	96.5
0°-40°	959.3	99.0
0°-60°	968.6	99.9
0°-90°	969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6494	
5°	5468	451
15°	1329	390
25°	180	94
35°	35	24
45°	9	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498284

CATALOG NUMBER: LDA2B159024R20D010 2LBDL1GPH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6493.8
1°	6437.3
2°	6302.7
3°	6097.9
4°	5834.1
5°	5467.9
6°	5089.6
7°	4672.0
8°	4238.3
9°	3751.5
10°	3293.6
11°	2814.9
12°	2395.3
13°	1998.3
14°	1634.2
15°	1329.0
16°	1076.8
17°	869.5
18°	701.6
19°	577.0
20°	465.5
22.5°	287.0
25°	180.1
27.5°	117.0
30°	78.2
32.5°	51.4
35°	34.8
37.5°	24.2
40°	17.1
42.5°	12.1
45°	8.6
47.5°	6.6
50°	4.5
52.5°	3.0
55°	2.0
57.5°	1.5
60°	1.0
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P498284

CATALOG NUMBER: LDA2B159024R20D010 2LBDL1GPH

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)