

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: P493490

Luminaire Tested: **LDA2B059035R70D010 2LBD1WHH**

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: P493490  
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: LDA2B059035R70D010 2LBD1WHH  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

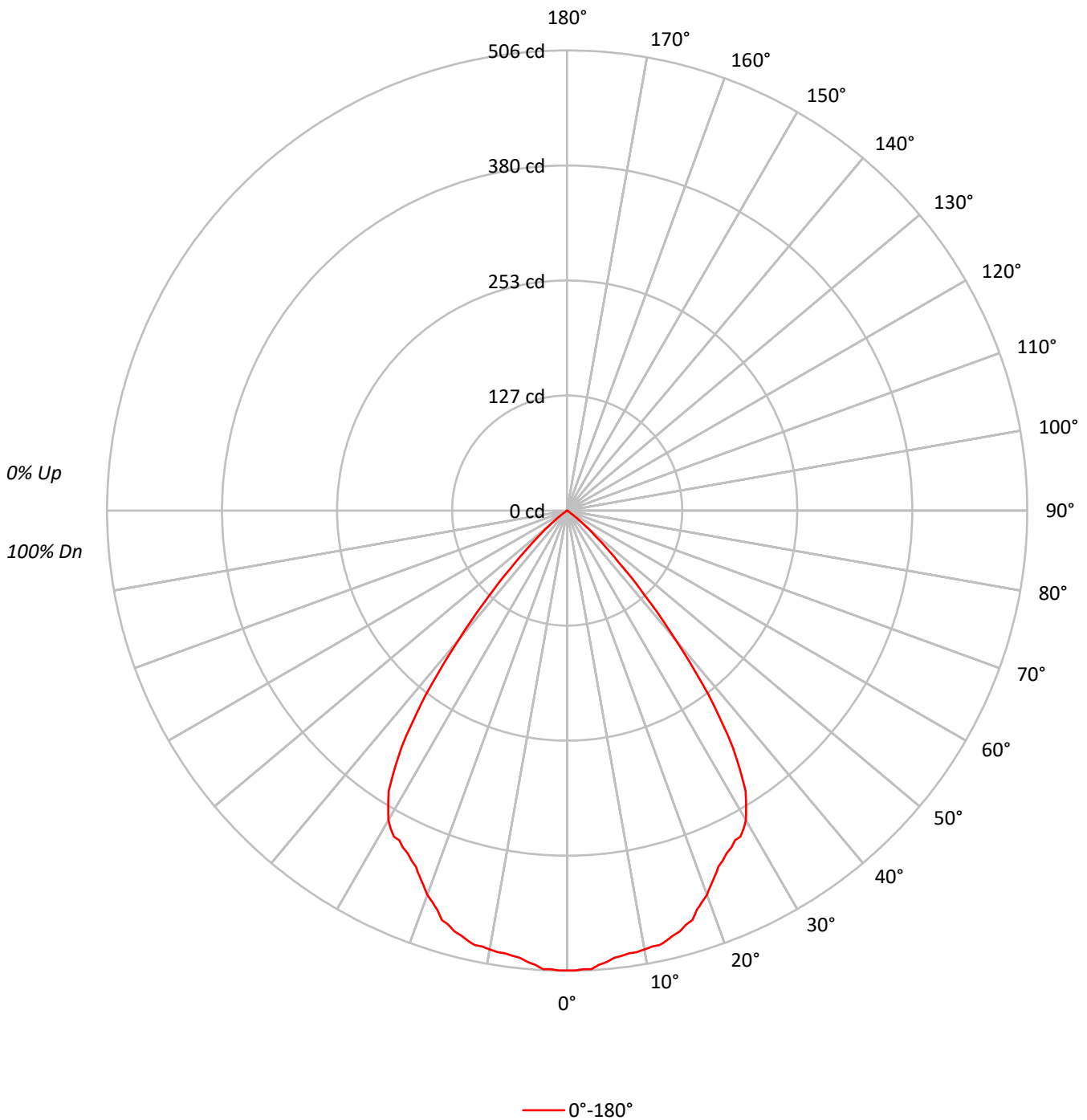
Lumens per Lamp: N/A  
Luminaire Lumens: 638.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): 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: P493490

CATALOG NUMBER: LDA2B059035R70D010 2LBD1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P493490

CATALOG NUMBER: LDA2B059035R70D010 2LBD1WHH

**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°	249493
5°	246732
10°	245527
15°	244657
20°	235946
25°	226183
30°	223886
35°	191225
40°	119340
45°	55190
50°	19956
55°	1376
60°	691
65°	817
70°	433
75°	572
80°	0
85°	0



TEST NUMBER: P493490

CATALOG NUMBER: LDA2B059035R70D010 2LBD1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.3	7.4
10°-20°	134.1	21.0
20°-30°	192.9	30.2
30°-40°	190.2	29.8
40°-50°	67.8	10.6
50°-60°	5.6	0.9
60°-70°	0.5	0.1
70°-80°	0.2	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°	374.3	58.6
0°-40°	564.5	88.4
0°-60°	637.8	99.9
0°-90°	638.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	506	
5°	498	47
15°	479	134
25°	416	193
35°	318	190
45°	79	68
55°	2	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493490

CATALOG NUMBER: LDA2B059035R70D010 2LBD1WHH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	505.7
1°	505.7
2°	504.7
3°	505.0
4°	500.8
5°	498.2
6°	494.6
7°	493.3
8°	491.7
9°	491.4
10°	490.1
11°	488.4
12°	488.4
13°	485.5
14°	481.6
15°	479.0
16°	473.8
17°	470.9
18°	461.7
19°	455.5
20°	449.4
21°	441.2
22.5°	429.8
23°	425.3
24°	421.0
25°	415.5
26°	412.2
27°	406.7
28°	406.1
29°	400.2
30°	393.0
32.5°	365.4
35°	317.5
37.5°	255.3
40°	185.3
42.5°	126.7
45°	79.1
47.5°	47.2
50°	26.0
52.5°	9.8
55°	1.6
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P493490

CATALOG NUMBER: LDA2B059035R70D010 2LBD1WHH

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)