

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: P493569

Luminaire Tested: **LDA2B059040R30D010 2LBDC1MW**

Issue Date: 3/12/2021

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: P493569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B059040R30D010 2LBDC1MW  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

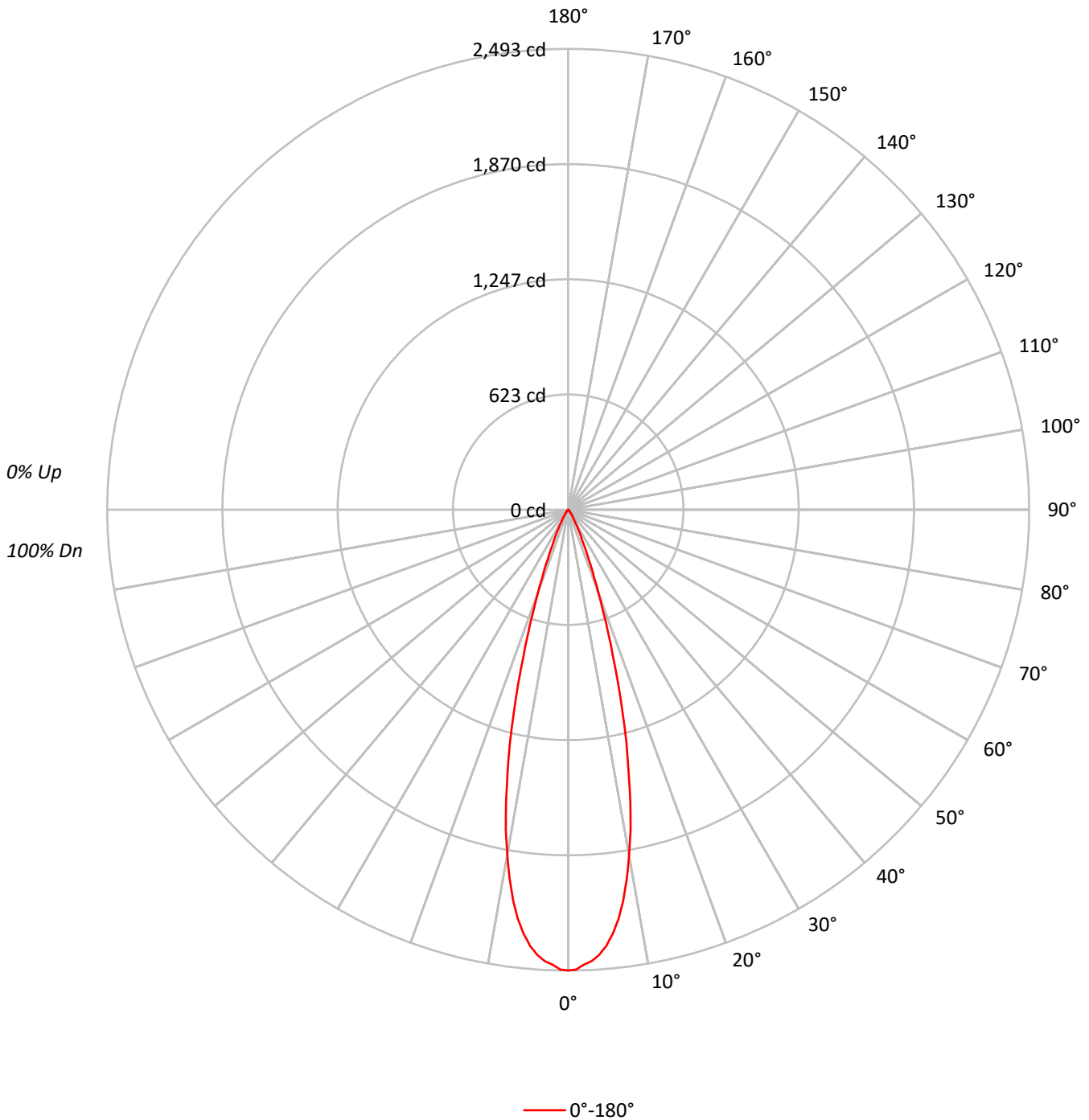
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 634.7 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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: P493569  
CATALOG NUMBER: LDA2B059040R30D010 2LBDC1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P493569

CATALOG NUMBER: LDA2B059040R30D010 2LBDC1MW

**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	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	81		86	83	81		85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	81	78	77
9	90	84	80	77	90	83	80	77	83	79	77		82	79	76		81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75		80	77	74		79	76	74	73

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

	0°
0°	1230000
5°	1172793
10°	951097
15°	581405
20°	254059
25°	95046
30°	39422
35°	18430
40°	8566
45°	4186
50°	2303
55°	860
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P493569

CATALOG NUMBER: LDA2B059040R30D010 2LBDC1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.2	33.3
10°-20°	305.0	48.1
20°-30°	91.0	14.3
30°-40°	20.9	3.3
40°-50°	5.1	0.8
50°-60°	1.2	0.2
60°-70°	0.2	0.0
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°	607.3	95.7
0°-40°	628.2	99.0
0°-60°	634.5	100.0
0°-90°	634.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2493	
5°	2368	211
15°	1138	305
25°	175	91
35°	31	21
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493569

CATALOG NUMBER: LDA2B059040R30D010 2LBDC1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2493.1
1°	2487.5
2°	2462.2
3°	2445.2
4°	2413.6
5°	2368.1
6°	2305.9
7°	2231.7
8°	2137.3
9°	2022.2
10°	1898.5
11°	1766.2
12°	1615.8
13°	1454.2
14°	1300.6
15°	1138.3
16°	981.3
17°	826.7
18°	702.0
19°	581.0
20°	483.9
21°	392.1
22.5°	290.6
23°	262.0
24°	214.5
25°	174.6
26°	143.3
27°	119.4
28°	98.4
29°	82.5
30°	69.2
32.5°	45.2
35°	30.6
37.5°	20.3
40°	13.3
42.5°	8.6
45°	6.0
47.5°	4.3
50°	3.0
52.5°	2.0
55°	1.0
57.5°	0.7
60°	0.3
62.5°	0.3
65°	0.3



TEST NUMBER: P493569

CATALOG NUMBER: LDA2B059040R30D010 2LBDC1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)