

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: P494059

Luminaire Tested: **LDA2B059727R35D010 2LBDLC1MW**

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: P494059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059727R35D010 2LBDLC1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

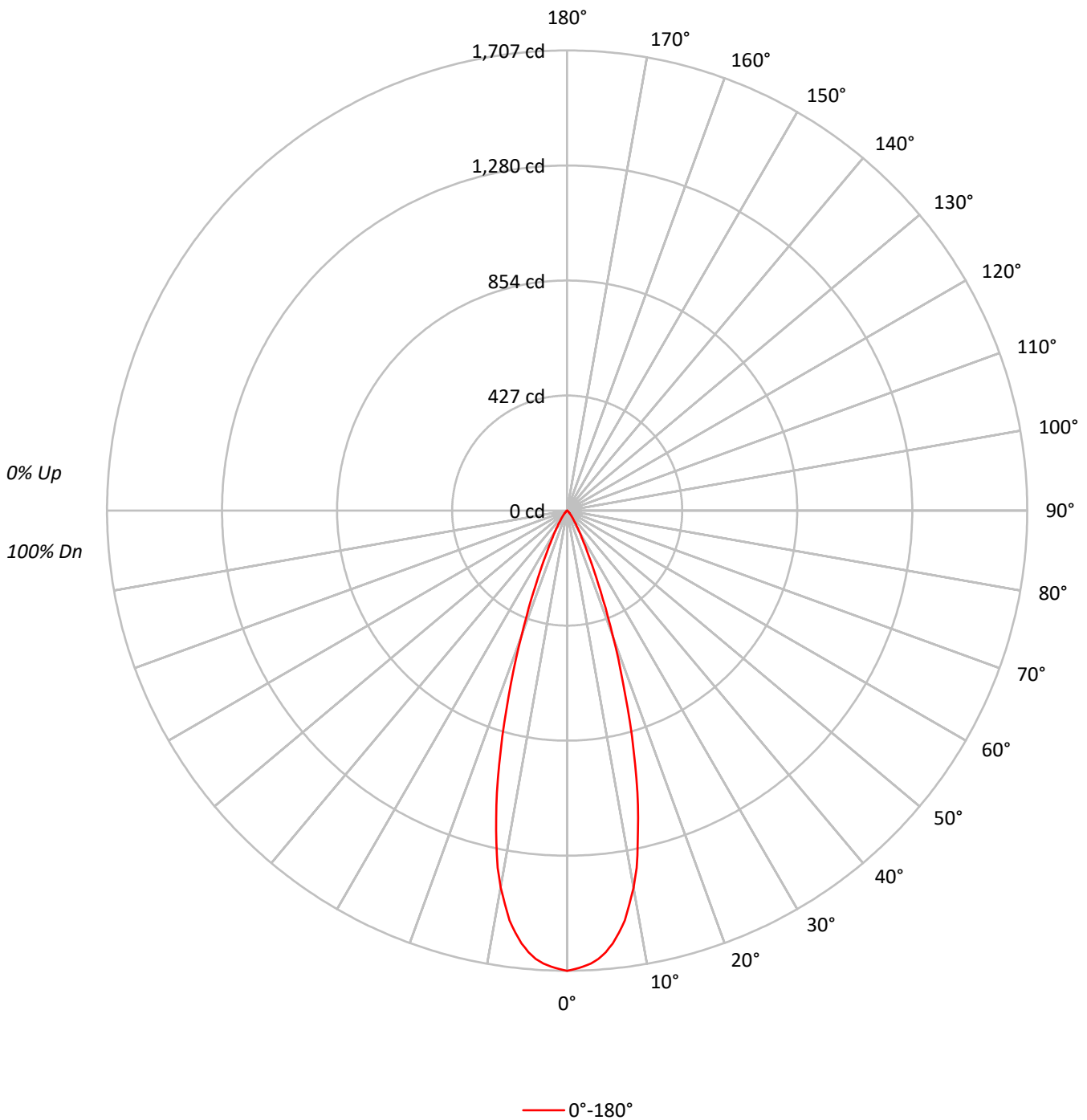
Lumens per Lamp: N/A
Luminaire Lumens: 551.9 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P494059

CATALOG NUMBER: LDA2B059727R35D010 2LBDLC1MW

Luminous Intensity Polar Plot





TEST NUMBER: P494059

CATALOG NUMBER: LDA2B059727R35D010 2LBDLC1MW

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	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78		84	80	78		83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70		76	73	70		76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	842366
5°	814383
10°	711682
15°	497537
20°	261252
25°	112248
30°	51329
35°	24874
40°	12623
45°	6419
50°	3531
55°	1462
60°	592
65°	350
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P494059

CATALOG NUMBER: LDA2B059727R35D010 2LBDLC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	27.2
10°-20°	259.9	47.1
20°-30°	103.7	18.8
30°-40°	28.3	5.1
40°-50°	7.8	1.4
50°-60°	1.8	0.3
60°-70°	0.4	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°	513.6	93.1
0°-40°	541.9	98.2
0°-60°	551.5	99.9
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1707	
5°	1644	150
15°	974	260
25°	206	104
35°	41	28
45°	9	8
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494059

CATALOG NUMBER: LDA2B059727R35D010 2LBDLC1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1707.4
1°	1700.2
2°	1693.2
3°	1682.8
4°	1667.2
5°	1644.4
6°	1614.7
7°	1577.7
8°	1535.5
9°	1477.2
10°	1420.6
11°	1350.4
12°	1260.6
13°	1170.2
14°	1078.1
15°	974.1
16°	871.9
17°	766.8
18°	672.3
19°	583.1
20°	497.6
21°	419.0
22.5°	324.9
23°	294.6
24°	247.2
25°	206.2
26°	173.6
27°	145.0
28°	122.7
29°	104.5
30°	90.1
32.5°	60.4
35°	41.3
37.5°	28.9
40°	19.6
42.5°	13.3
45°	9.2
47.5°	6.6
50°	4.6
52.5°	3.2
55°	1.7
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.3



TEST NUMBER: P494059

CATALOG NUMBER: LDA2B059727R35D010 2LBDLC1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
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)