

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: P494097

Luminaire Tested: **LDA2B059727R60D010 2LBDL1LI**

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: P494097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059727R60D010 2LBDL1LI
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

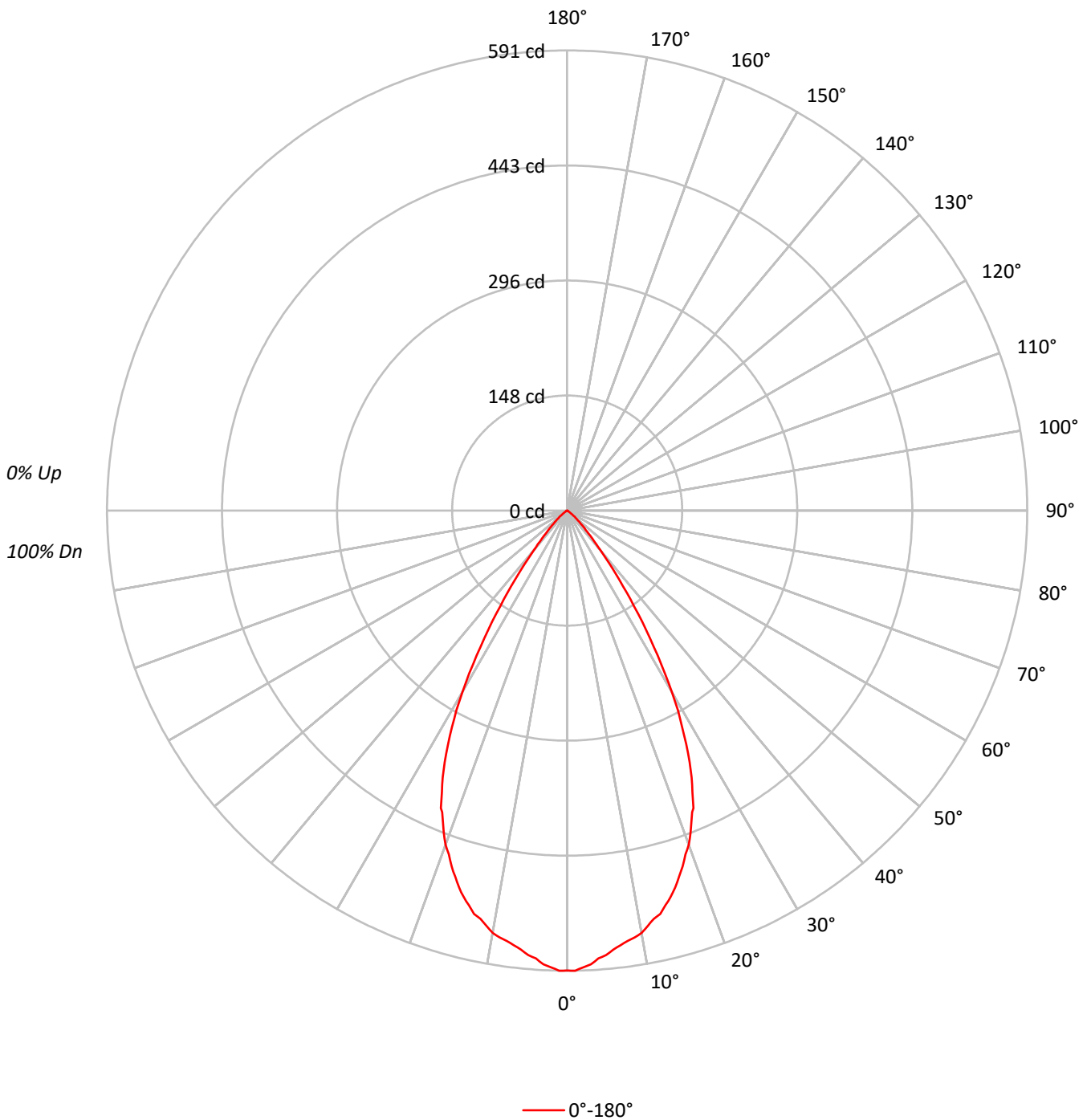
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 492.5 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
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: P494097
CATALOG NUMBER: LDA2B059727R60D010 2LBDL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P494097

CATALOG NUMBER: LDA2B059727R60D010 2LBDL1LI

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	90	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	291478
5°	283875
10°	276036
15°	262380
20°	239726
25°	205879
30°	153188
35°	89921
40°	42829
45°	20025
50°	9978
55°	3527
60°	789
65°	584
70°	433
75°	572
80°	0
85°	0



TEST NUMBER: P494097

CATALOG NUMBER: LDA2B059727R60D010 2LBDL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	11.0
10°-20°	142.9	29.0
20°-30°	169.7	34.5
30°-40°	95.8	19.4
40°-50°	24.9	5.1
50°-60°	4.5	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°	366.6	74.4
0°-40°	462.4	93.9
0°-60°	491.8	99.9
0°-90°	492.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	573	54
15°	514	143
25°	378	170
35°	149	96
45°	29	25
55°	4	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494097

CATALOG NUMBER: LDA2B059727R60D010 2LBDL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	590.8
1°	591.1
2°	587.0
3°	583.5
4°	576.7
5°	573.2
6°	567.0
7°	562.4
8°	558.1
9°	555.1
10°	551.0
11°	543.2
12°	535.9
13°	531.8
14°	522.3
15°	513.7
16°	503.7
17°	491.8
18°	480.4
19°	466.9
20°	456.6
21°	442.5
22.5°	419.3
23°	415.2
24°	395.5
25°	378.2
26°	359.0
27°	336.8
28°	314.9
29°	293.5
30°	268.9
32.5°	206.9
35°	149.3
37.5°	102.0
40°	66.5
42.5°	43.6
45°	28.7
47.5°	19.5
50°	13.0
52.5°	8.1
55°	4.1
57.5°	1.6
60°	0.8
62.5°	0.5
65°	0.5



TEST NUMBER: P494097

CATALOG NUMBER: LDA2B059727R60D010 2LBDL1LI

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)