

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: P494104

Luminaire Tested: **LDA2B059727R60D010 2LBDLC1MB**

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: P494104
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 2LBDLC1MB
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

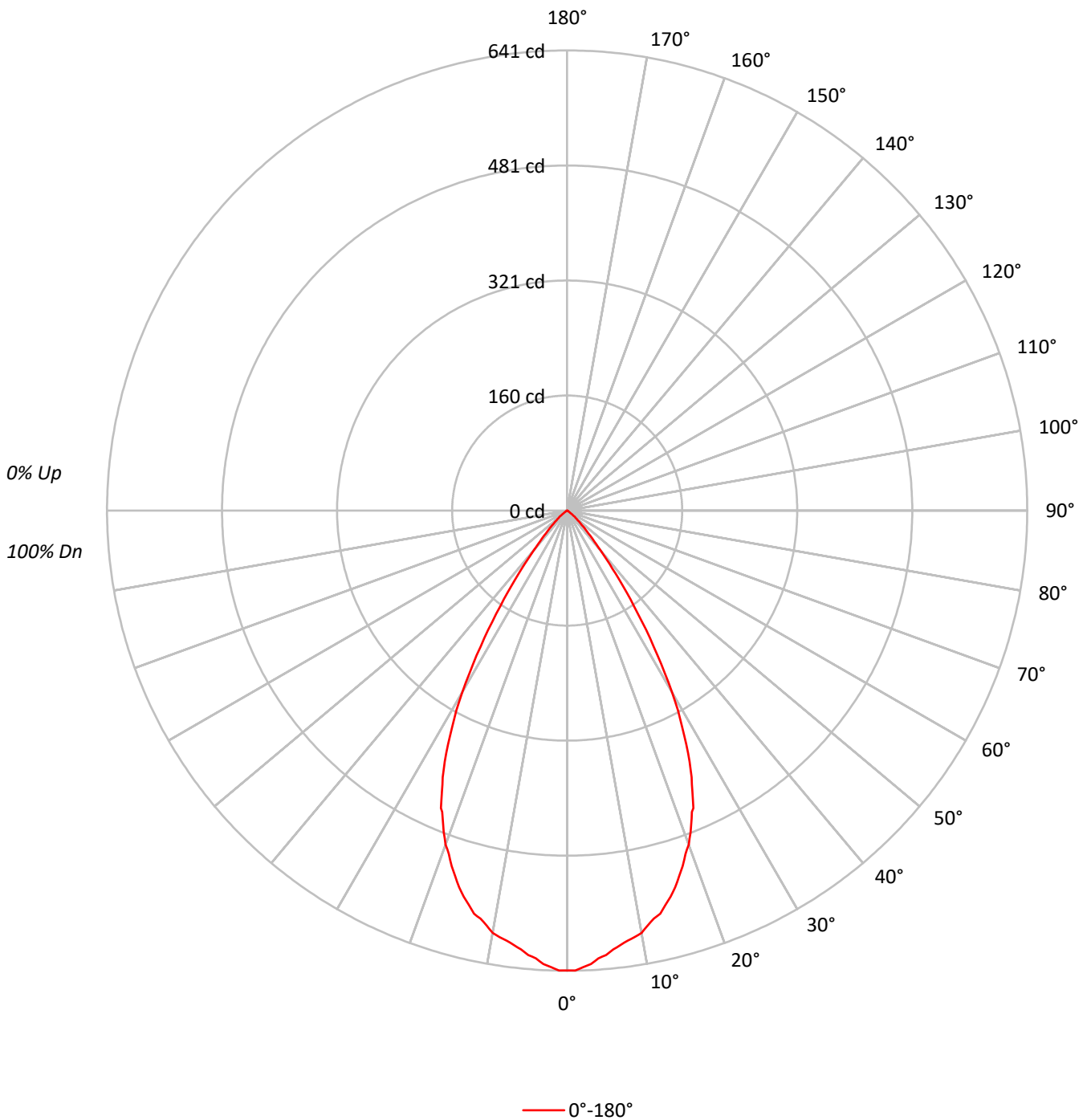
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.9 lumens
Efficiency: N/A
Efficacy: 76.3 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 (A_{in}): 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: P494104
CATALOG NUMBER: LDA2B059727R60D010 2LBDLC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P494104

CATALOG NUMBER: LDA2B059727R60D010 2LBDLC1MB

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	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					100			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94					94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88					88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82					82			
4	98	90	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76					76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71					71			
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67					67			
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63					63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59					59			
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55					55			
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	53	52					52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315998
5°	307746
10°	299231
15°	284445
20°	259887
25°	223189
30°	166063
35°	97510
40°	46435
45°	21699
50°	10822
55°	3785
60°	888
65°	700
70°	433
75°	572
80°	0
85°	0



TEST NUMBER: P494104

CATALOG NUMBER: LDA2B059727R60D010 2LBDLC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	11.0
10°-20°	155.0	29.0
20°-30°	184.0	34.5
30°-40°	103.8	19.5
40°-50°	27.0	5.1
50°-60°	4.9	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°	397.4	74.4
0°-40°	501.3	93.9
0°-60°	533.2	99.9
0°-90°	533.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	640	
5°	621	58
15°	557	155
25°	410	184
35°	162	104
45°	31	27
55°	4	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494104

CATALOG NUMBER: LDA2B059727R60D010 2LBDLC1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	640.5
1°	640.8
2°	636.4
3°	632.5
4°	625.2
5°	621.4
6°	614.7
7°	609.7
8°	605.0
9°	601.7
10°	597.3
11°	588.8
12°	580.9
13°	576.5
14°	566.3
15°	556.9
16°	546.0
17°	533.1
18°	520.8
19°	506.1
20°	495.0
21°	479.8
22.5°	454.5
23°	450.1
24°	428.7
25°	410.0
26°	389.1
27°	365.1
28°	341.3
29°	318.2
30°	291.5
32.5°	224.3
35°	161.9
37.5°	110.6
40°	72.1
42.5°	47.2
45°	31.1
47.5°	21.1
50°	14.1
52.5°	8.8
55°	4.4
57.5°	1.8
60°	0.9
62.5°	0.6
65°	0.6



TEST NUMBER: P494104

CATALOG NUMBER: LDA2B059727R60D010 2LBDLC1MB

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)