

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: P493672

Luminaire Tested: **LDA2B059040R60D010 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: P493672
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: LDA2B059040R60D010 2LBDLC1MB
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

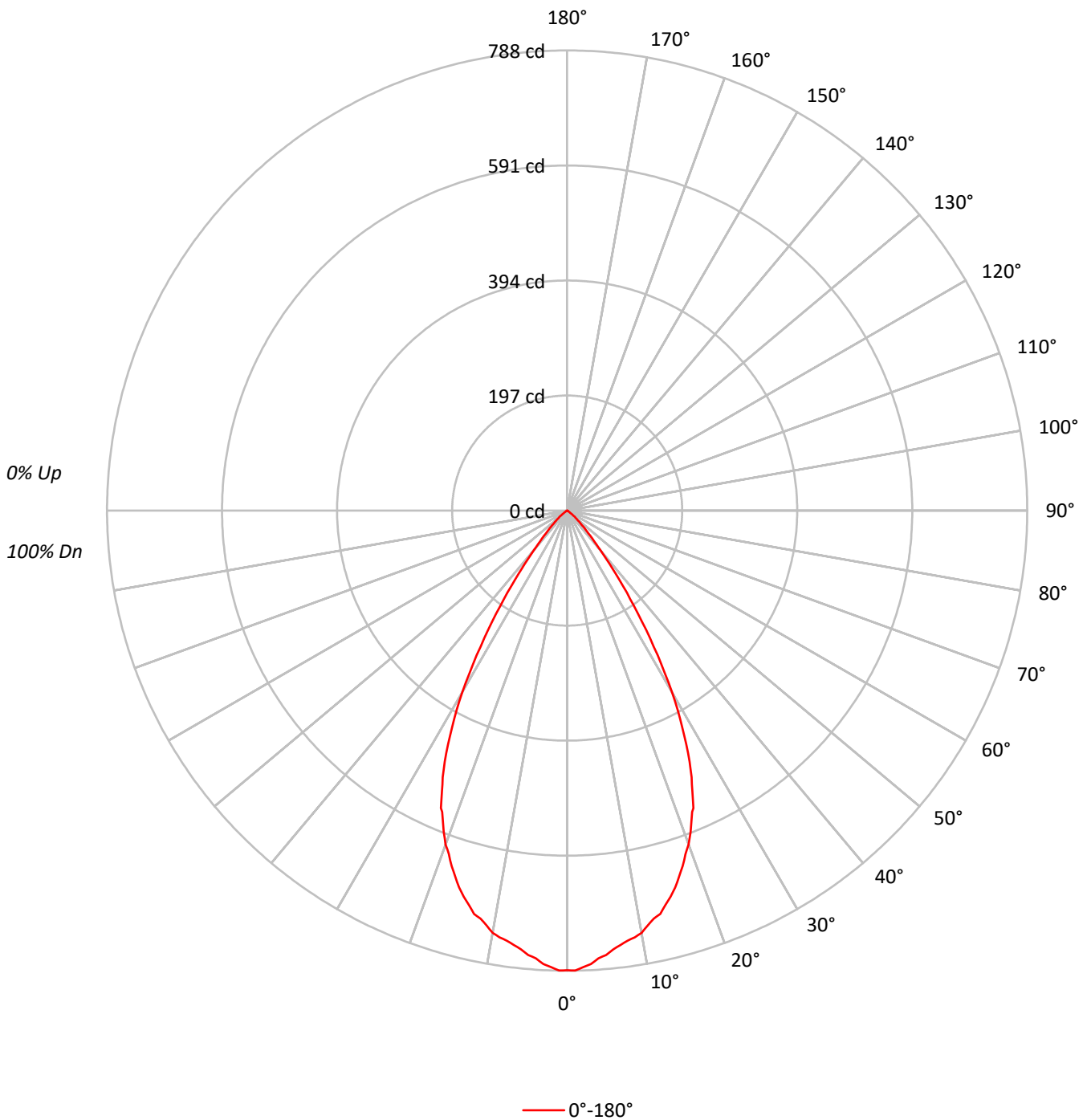
Lumens per Lamp: N/A
Luminaire Lumens: 656.4 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P493672

CATALOG NUMBER: LDA2B059040R60D010 2LBDLC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P493672

CATALOG NUMBER: LDA2B059040R60D010 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	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°	388424
5°	378319
10°	367914
15°	349670
20°	319477
25°	274360
30°	204118
35°	119854
40°	57126
45°	26653
50°	13278
55°	4645
60°	1085
65°	817
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P493672

CATALOG NUMBER: LDA2B059040R60D010 2LBDLC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	11.0
10°-20°	190.5	29.0
20°-30°	226.2	34.5
30°-40°	127.7	19.4
40°-50°	33.2	5.1
50°-60°	6.0	0.9
60°-70°	0.6	0.1
70°-80°	0.3	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°	488.6	74.4
0°-40°	616.2	93.9
0°-60°	655.5	99.9
0°-90°	656.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	787	
5°	764	72
15°	685	190
25°	504	226
35°	199	128
45°	38	33
55°	5	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493672

CATALOG NUMBER: LDA2B059040R60D010 2LBDLC1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	787.3
1°	787.7
2°	782.3
3°	777.6
4°	768.6
5°	763.9
6°	755.6
7°	749.5
8°	743.7
9°	739.8
10°	734.4
11°	723.9
12°	714.2
13°	708.8
14°	696.1
15°	684.6
16°	671.3
17°	655.4
18°	640.3
19°	622.2
20°	608.5
21°	589.8
22.5°	558.8
23°	553.4
24°	527.1
25°	504.0
26°	478.4
27°	448.8
28°	419.6
29°	391.1
30°	358.3
32.5°	275.8
35°	199.0
37.5°	135.9
40°	88.7
42.5°	58.0
45°	38.2
47.5°	26.0
50°	17.3
52.5°	10.8
55°	5.4
57.5°	2.2
60°	1.1
62.5°	0.7
65°	0.7



TEST NUMBER: P493672

CATALOG NUMBER: LDA2B059040R60D010 2LBDLC1MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)