

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: P493828

Luminaire Tested: **LDA2B059050R35D010 2LBDL1B**

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: P493828
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: LDA2B059050R35D010 2LBDL1B
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

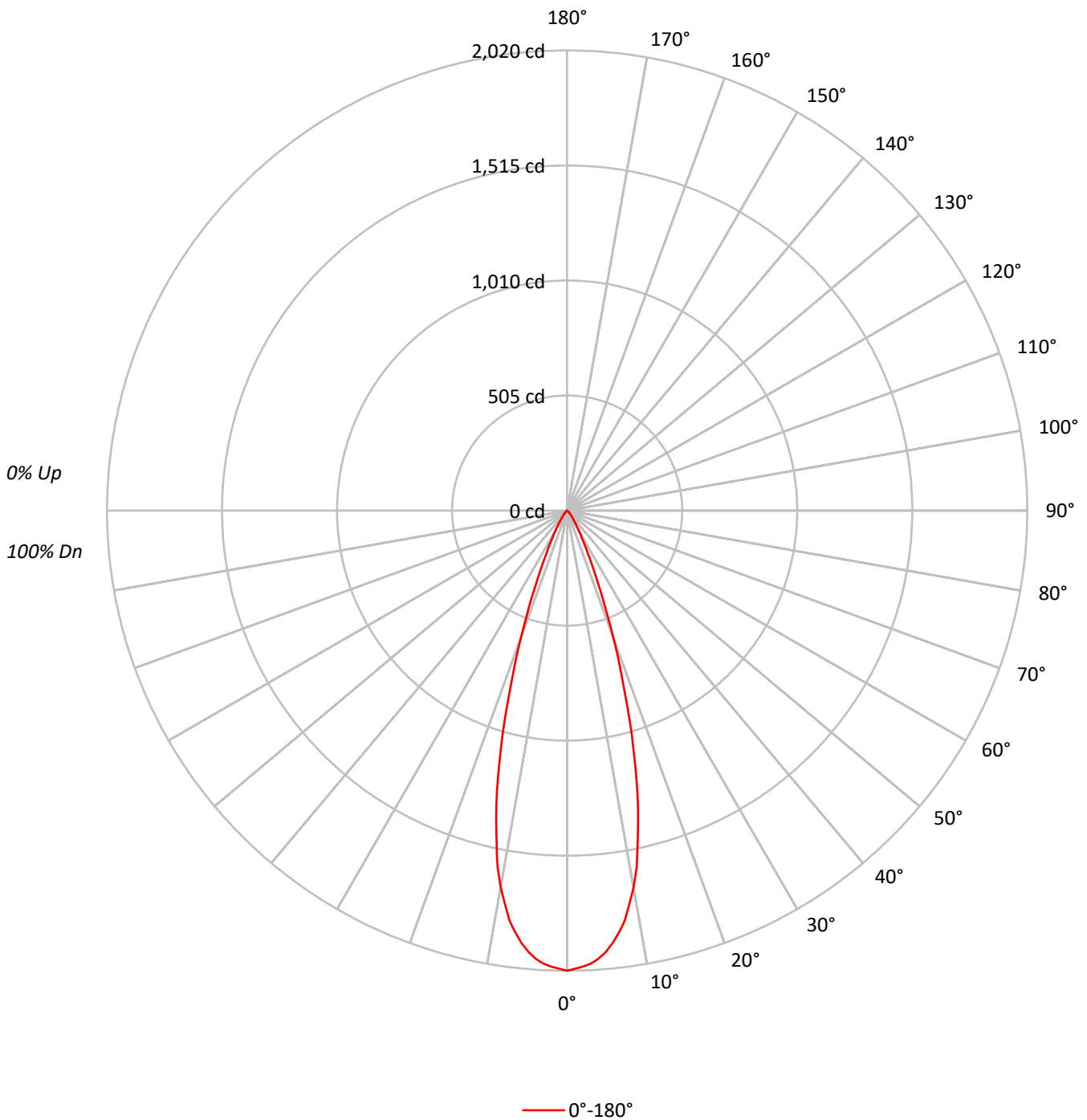
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 652.9 lumens
Efficiency: N/A
Efficacy: 93.3 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: P493828
CATALOG NUMBER: LDA2B059050R35D010 2LBDL1B

Luminous Intensity Polar Plot





TEST NUMBER: P493828

CATALOG NUMBER: LDA2B059050R35D010 2LBDL1B

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°	996492
5°	963403
10°	841935
15°	588606
20°	309082
25°	132771
30°	60728
35°	29452
40°	14942
45°	7605
50°	4221
55°	1720
60°	691
65°	350
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P493828

CATALOG NUMBER: LDA2B059050R35D010 2LBDL1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	27.2
10°-20°	307.5	47.1
20°-30°	122.7	18.8
30°-40°	33.5	5.1
40°-50°	9.3	1.4
50°-60°	2.2	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°	607.6	93.1
0°-40°	641.0	98.2
0°-60°	652.5	99.9
0°-90°	652.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2020	
5°	1945	177
15°	1152	308
25°	244	123
35°	49	33
45°	11	9
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493828

CATALOG NUMBER: LDA2B059050R35D010 2LBDL1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	2019.8
1°	2011.3
2°	2003.1
3°	1990.8
4°	1972.3
5°	1945.3
6°	1910.1
7°	1866.4
8°	1816.5
9°	1747.5
10°	1680.6
11°	1597.5
12°	1491.3
13°	1384.4
14°	1275.4
15°	1152.4
16°	1031.4
17°	907.1
18°	795.4
19°	689.8
20°	588.7
21°	495.7
22.5°	384.4
23°	348.5
24°	292.4
25°	243.9
26°	205.3
27°	171.5
28°	145.2
29°	123.7
30°	106.6
32.5°	71.4
35°	48.9
37.5°	34.2
40°	23.2
42.5°	15.7
45°	10.9
47.5°	7.9
50°	5.5
52.5°	3.8
55°	2.0
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3



TEST NUMBER: P493828

CATALOG NUMBER: LDA2B059050R35D010 2LBDL1B

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)