

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: P493459

Luminaire Tested: **LDA2B059035R65D010 2LBD1B**

Issue Date: 3/8/2021

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: P493459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059035R65D010 2LBD1B
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

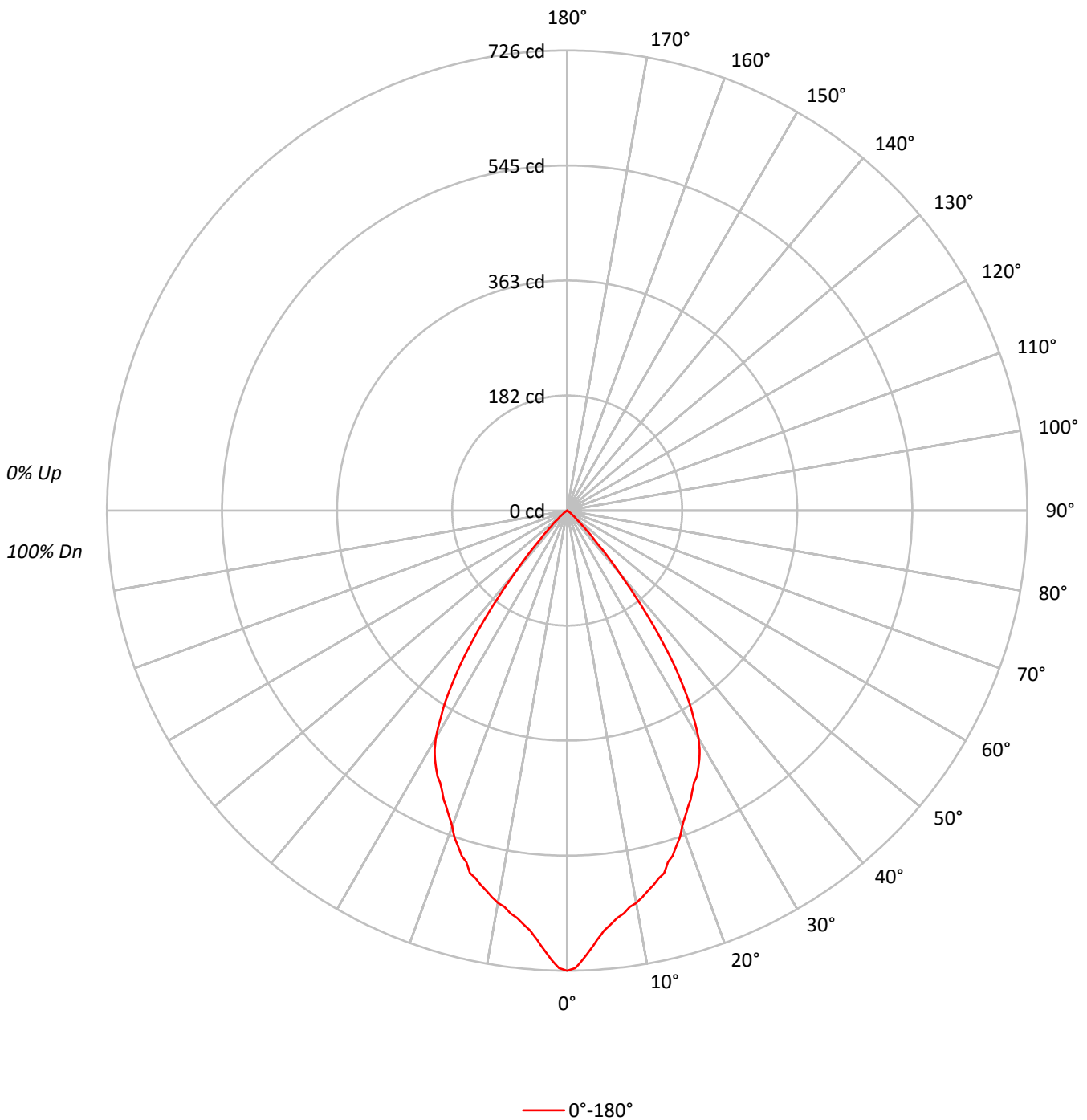
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.3 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
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: P493459
CATALOG NUMBER: LDA2B059035R65D010 2LBD1B

Luminous Intensity Polar Plot





TEST NUMBER: P493459

CATALOG NUMBER: LDA2B059035R65D010 2LBD1B

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67		74	70	66		73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62		70	65	62		69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54		62	58	54		61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	358230
5°	329487
10°	314861
15°	302373
20°	278473
25°	257920
30°	236305
35°	173578
40°	82179
45°	27002
50°	8750
55°	1118
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P493459

CATALOG NUMBER: LDA2B059035R65D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	9.5
10°-20°	164.6	25.0
20°-30°	218.4	33.1
30°-40°	172.8	26.2
40°-50°	37.7	5.7
50°-60°	2.8	0.4
60°-70°	0.3	0.1
70°-80°	0.1	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
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0°-30°	445.5	67.6
0°-40°	618.3	93.8
0°-60°	658.9	99.9
0°-90°	659.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	726	
5°	665	62
15°	592	165
25°	474	218
35°	288	173
45°	39	38
55°	1	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	726.1
1°	722.2
2°	708.9
3°	694.2
4°	678.9
5°	665.3
6°	656.5
7°	647.7
8°	641.8
9°	633.0
10°	628.5
11°	621.3
12°	613.2
13°	606.0
14°	597.8
15°	592.0
16°	577.0
17°	569.5
18°	557.1
19°	545.7
20°	530.4
21°	518.1
22.5°	501.8
23°	497.2
24°	484.9
25°	473.8
26°	466.9
27°	455.5
28°	444.5
29°	431.1
30°	414.8
32.5°	358.2
35°	288.2
37.5°	205.5
40°	127.6
42.5°	72.0
45°	38.7
47.5°	20.8
50°	11.4
52.5°	4.9
55°	1.3
57.5°	0.7
60°	0.7
62.5°	0.3
65°	0.3



TEST NUMBER: P493459

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
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)