

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: P497158

Luminaire Tested: **LDA2B109730R70D010 2LBD1MB**

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: P497158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109730R70D010 2LBD1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

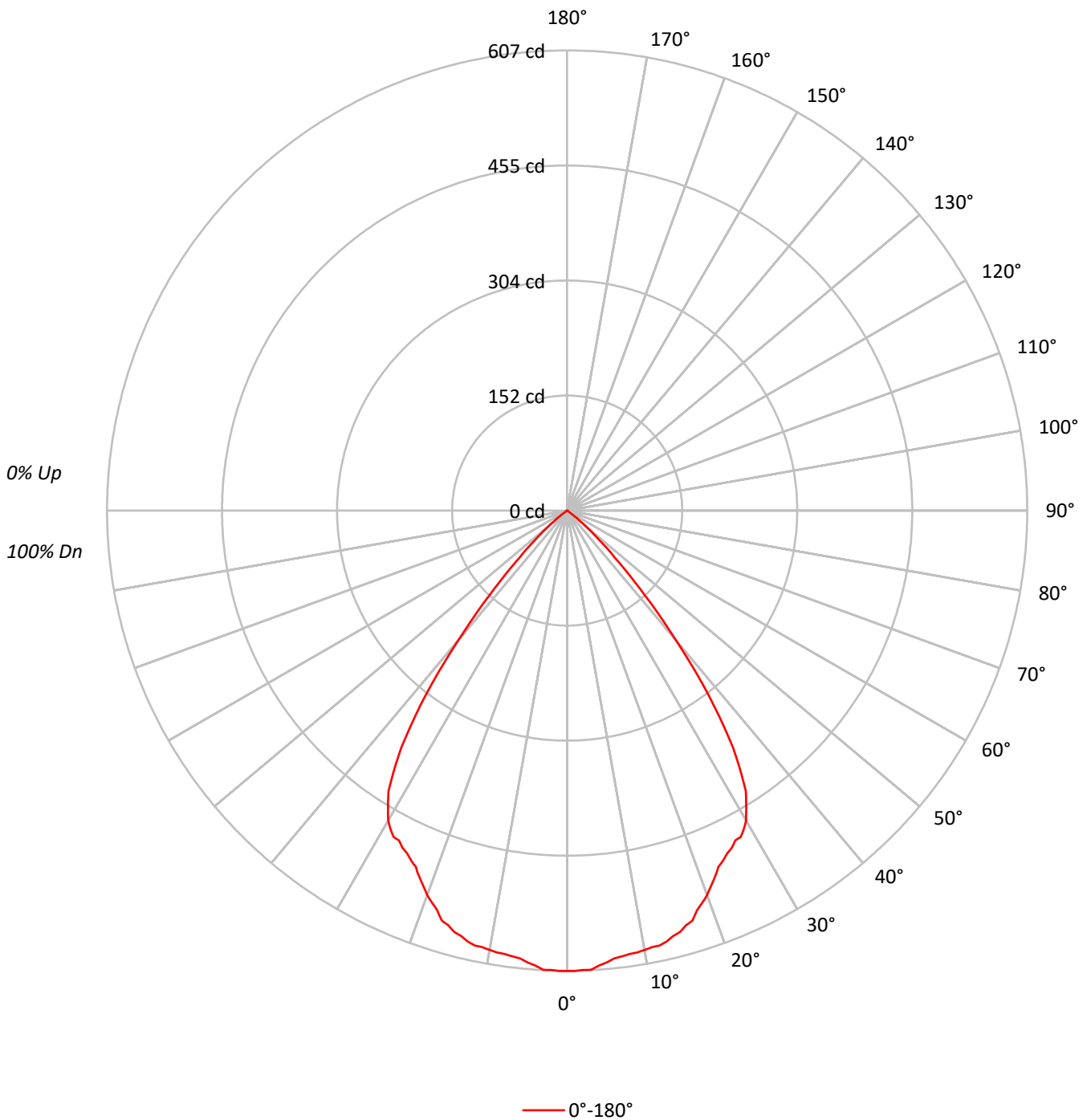
Lumens per Lamp: N/A
Luminaire Lumens: 767.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: P497158

CATALOG NUMBER: LDA2B109730R70D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P497158

CATALOG NUMBER: LDA2B109730R70D010 2LBD1MB

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	299668
5°	296355
10°	294873
15°	293844
20°	283408
25°	271692
30°	268948
35°	229651
40°	143363
45°	66283
50°	24024
55°	1720
60°	789
65°	934
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P497158

CATALOG NUMBER: LDA2B109730R70D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	7.4
10°-20°	161.1	21.0
20°-30°	231.7	30.2
30°-40°	228.4	29.8
40°-50°	81.4	10.6
50°-60°	6.7	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°	449.6	58.6
0°-40°	678.0	88.4
0°-60°	766.1	99.9
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	607	
5°	598	57
15°	575	161
25°	499	232
35°	381	228
45°	95	81
55°	2	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497158

CATALOG NUMBER: LDA2B109730R70D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	607.4
1°	607.4
2°	606.2
3°	606.6
4°	601.6
5°	598.4
6°	594.1
7°	592.6
8°	590.6
9°	590.2
10°	588.6
11°	586.7
12°	586.7
13°	583.2
14°	578.5
15°	575.3
16°	569.1
17°	565.6
18°	554.6
19°	547.2
20°	539.8
21°	530.0
22.5°	516.3
23°	510.8
24°	505.7
25°	499.1
26°	495.2
27°	488.5
28°	487.7
29°	480.7
30°	472.1
32.5°	438.8
35°	381.3
37.5°	306.6
40°	222.6
42.5°	152.1
45°	95.0
47.5°	56.7
50°	31.3
52.5°	11.7
55°	2.0
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.8



TEST NUMBER: P497158

CATALOG NUMBER: LDA2B109730R70D010 2LBD1MB

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)