

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: P496949

Luminaire Tested: **LDA2B109727R70D010 2LBDL1GPH**

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: P496949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109727R70D010 2LBDL1GPH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

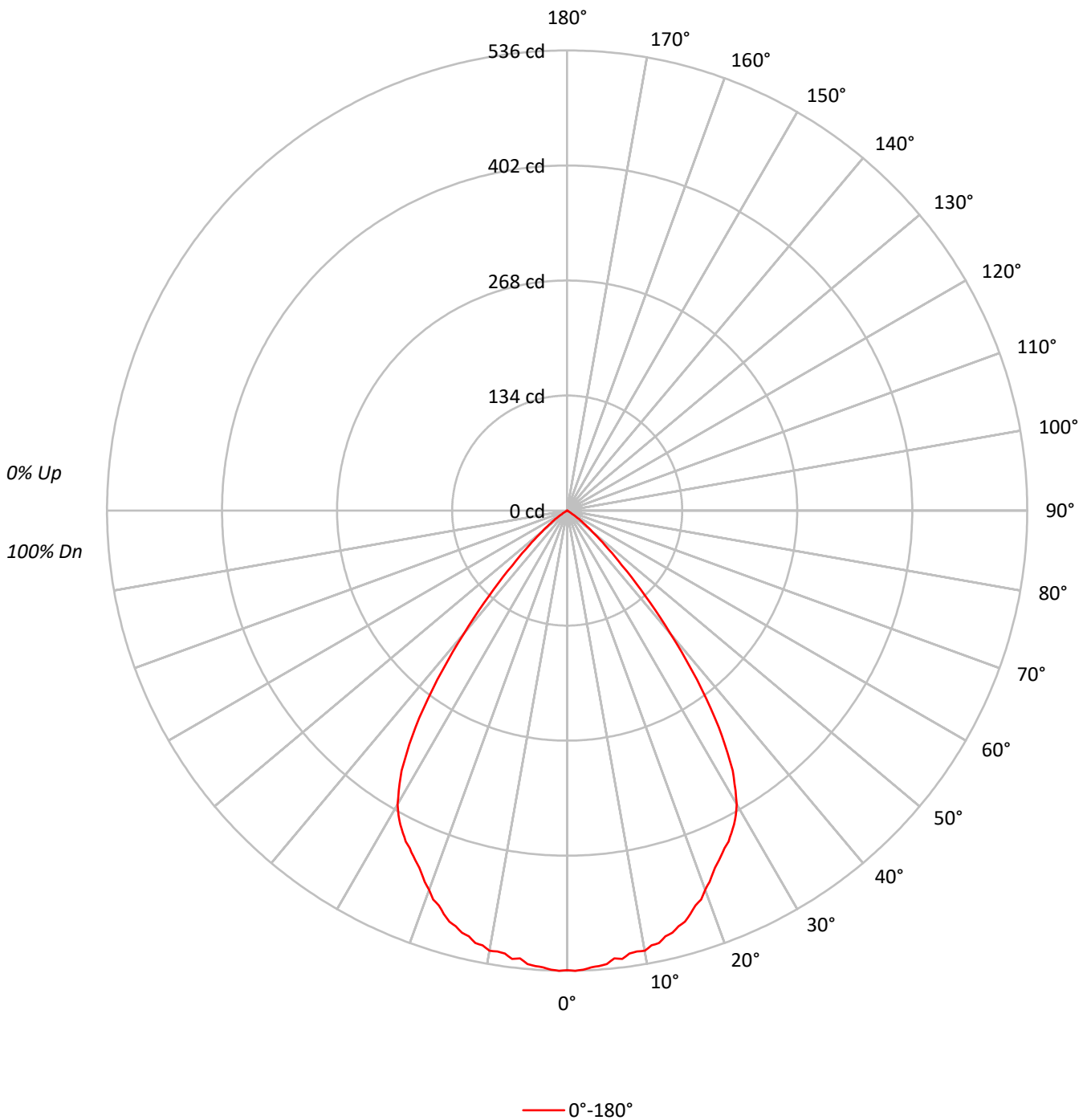
Lumens per Lamp: N/A
Luminaire Lumens: 667.2 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P496949

CATALOG NUMBER: LDA2B109727R70D010 2LBDL1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P496949

CATALOG NUMBER: LDA2B109727R70D010 2LBDL1GPH

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	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63		71	66	63		70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58		66	61	58		65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	264146
5°	262629
10°	260856
15°	256047
20°	246762
25°	236254
30°	225083
35°	185684
40°	120693
45°	63074
50°	29320
55°	10752
60°	1085
65°	817
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P496949

CATALOG NUMBER: LDA2B109727R70D010 2LBDL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	7.5
10°-20°	140.9	21.1
20°-30°	199.9	30.0
30°-40°	186.9	28.0
40°-50°	75.2	11.3
50°-60°	13.1	2.0
60°-70°	0.6	0.1
70°-80°	0.4	0.1
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°	391.0	58.6
0°-40°	577.9	86.6
0°-60°	666.2	99.9
0°-90°	667.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	535	
5°	530	50
15°	501	141
25°	434	200
35°	308	187
45°	90	75
55°	12	13
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496949

CATALOG NUMBER: LDA2B109727R70D010 2LBDL1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	535.4
1°	536.2
2°	535.1
3°	532.9
4°	531.8
5°	530.3
6°	524.4
7°	526.3
8°	521.1
9°	520.0
10°	520.7
11°	516.0
12°	514.9
13°	509.0
14°	506.8
15°	501.3
16°	498.0
17°	491.3
18°	483.6
19°	479.2
20°	470.0
21°	463.1
22.5°	450.2
23°	446.9
24°	440.6
25°	434.0
26°	428.9
27°	421.5
28°	414.2
29°	405.4
30°	395.1
32.5°	359.0
35°	308.3
37.5°	248.4
40°	187.4
42.5°	133.8
45°	90.4
47.5°	59.5
50°	38.2
52.5°	23.9
55°	12.5
57.5°	4.0
60°	1.1
62.5°	0.7
65°	0.7



TEST NUMBER: P496949

CATALOG NUMBER: LDA2B109727R70D010 2LBDL1GPH

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)