

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: P495861

Luminaire Tested: **LDA2B109027R70D010 2LBD1LI**

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: P495861
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: LDA2B109027R70D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

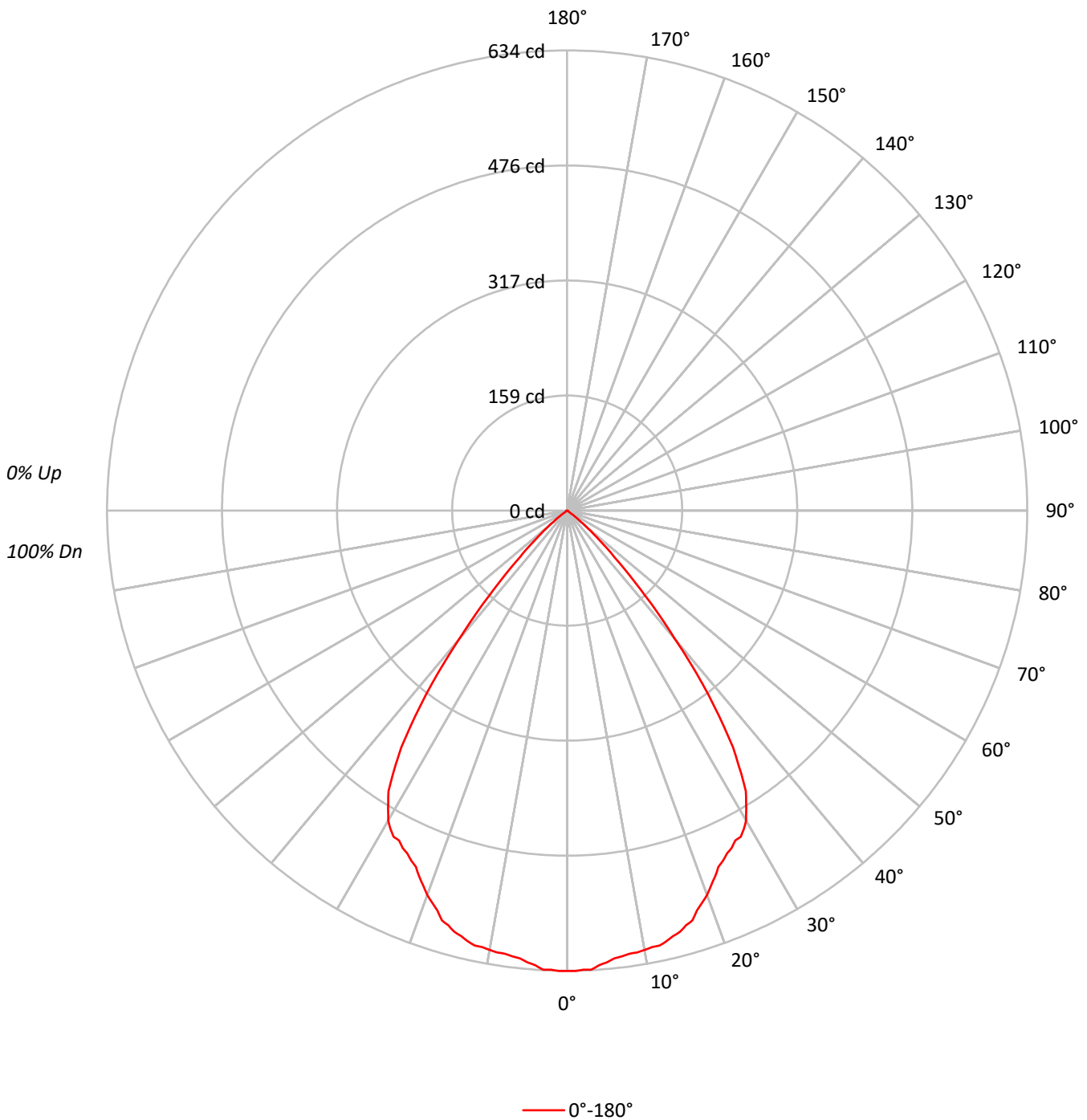
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 800.9 lumens
Efficiency: N/A
Efficacy: 80.1 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 (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: P495861
CATALOG NUMBER: LDA2B109027R70D010 2LBD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P495861

CATALOG NUMBER: LDA2B109027R70D010 2LBD1LI

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°	312939
5°	309479
10°	307948
15°	306868
20°	295904
25°	283723
30°	280855
35°	239829
40°	149674
45°	69214
50°	25098
55°	1720
60°	789
65°	934
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P495861

CATALOG NUMBER: LDA2B109027R70D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	7.4
10°-20°	168.3	21.0
20°-30°	242.0	30.2
30°-40°	238.5	29.8
40°-50°	85.0	10.6
50°-60°	7.0	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°	469.5	58.6
0°-40°	708.0	88.4
0°-60°	800.0	99.9
0°-90°	800.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	634	
5°	625	59
15°	601	168
25°	521	242
35°	398	239
45°	99	85
55°	2	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P495861

CATALOG NUMBER: LDA2B109027R70D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	634.3
1°	634.3
2°	633.1
3°	633.5
4°	628.2
5°	624.9
6°	620.4
7°	618.8
8°	616.7
9°	616.3
10°	614.7
11°	612.7
12°	612.7
13°	609.0
14°	604.1
15°	600.8
16°	594.3
17°	590.6
18°	579.2
19°	571.4
20°	563.6
21°	553.4
22.5°	539.1
23°	533.4
24°	528.1
25°	521.2
26°	517.1
27°	510.1
28°	509.3
29°	502.0
30°	493.0
32.5°	458.3
35°	398.2
37.5°	320.2
40°	232.4
42.5°	158.9
45°	99.2
47.5°	59.2
50°	32.7
52.5°	12.3
55°	2.0
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.8



TEST NUMBER: P495861

CATALOG NUMBER: LDA2B109027R70D010 2LBD1LI

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)