

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: P496028

Luminaire Tested: **LDA2B109030R60D010 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: P496028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109030R60D010 2LBD1B
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

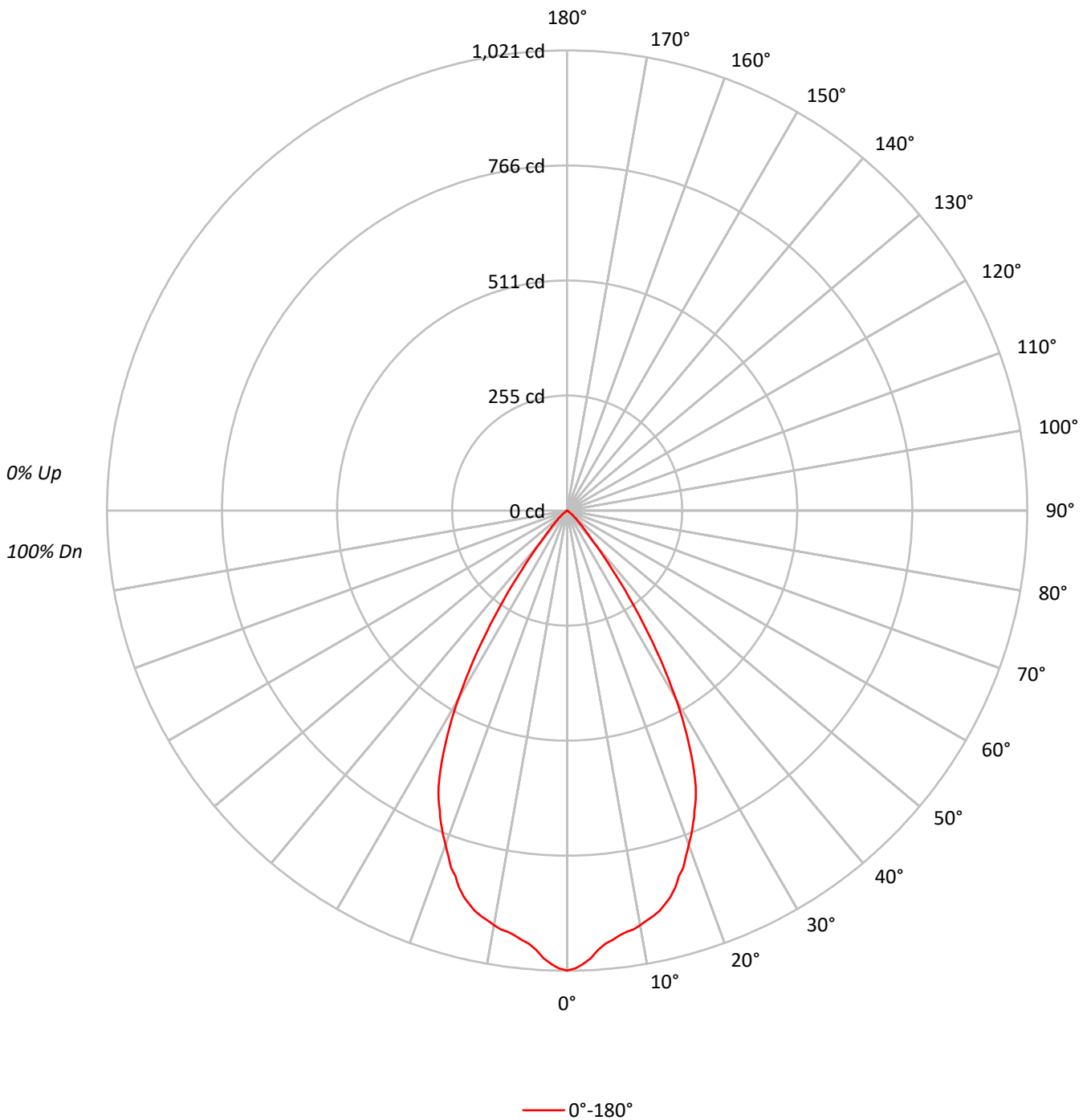
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
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: P496028
CATALOG NUMBER: LDA2B109030R60D010 2LBD1B

Luminous Intensity Polar Plot





TEST NUMBER: P496028

CATALOG NUMBER: LDA2B109030R60D010 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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	66	74	69	65		73	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	503525
5°	478012
10°	467959
15°	452947
20°	414087
25°	367664
30°	275044
35°	155269
40°	58479
45°	26164
50°	12741
55°	2580
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P496028

CATALOG NUMBER: LDA2B109030R60D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	10.9
10°-20°	246.3	29.3
20°-30°	300.9	35.8
30°-40°	164.1	19.5
40°-50°	32.9	3.9
50°-60°	4.7	0.6
60°-70°	0.6	0.1
70°-80°	0.2	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°	638.6	75.9
0°-40°	802.7	95.4
0°-60°	840.3	99.9
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1021	
5°	965	91
15°	887	246
25°	675	301
35°	258	164
45°	38	33
55°	3	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496028

CATALOG NUMBER: LDA2B109030R60D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1020.6
1°	1015.9
2°	1006.9
3°	995.0
4°	977.9
5°	965.2
6°	958.3
7°	950.2
8°	943.9
9°	940.9
10°	934.1
11°	926.4
12°	919.6
13°	911.5
14°	899.5
15°	886.8
16°	870.6
17°	848.0
18°	833.5
19°	810.1
20°	788.7
21°	769.1
22.5°	736.3
23°	722.7
24°	701.8
25°	675.4
26°	641.7
27°	606.4
28°	565.9
29°	527.5
30°	482.8
32.5°	370.3
35°	257.8
37.5°	161.5
40°	90.8
42.5°	56.7
45°	37.5
47.5°	25.6
50°	16.6
52.5°	8.5
55°	3.0
57.5°	1.3
60°	0.9
62.5°	0.9
65°	0.4



TEST NUMBER: P496028

CATALOG NUMBER: LDA2B109030R60D010 2LBD1B

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)