

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: P496087

Luminaire Tested: **LDA2B109030R70D010 2LBDL1LI**

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: P496087
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: LDA2B109030R70D010 2LBDL1LI
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

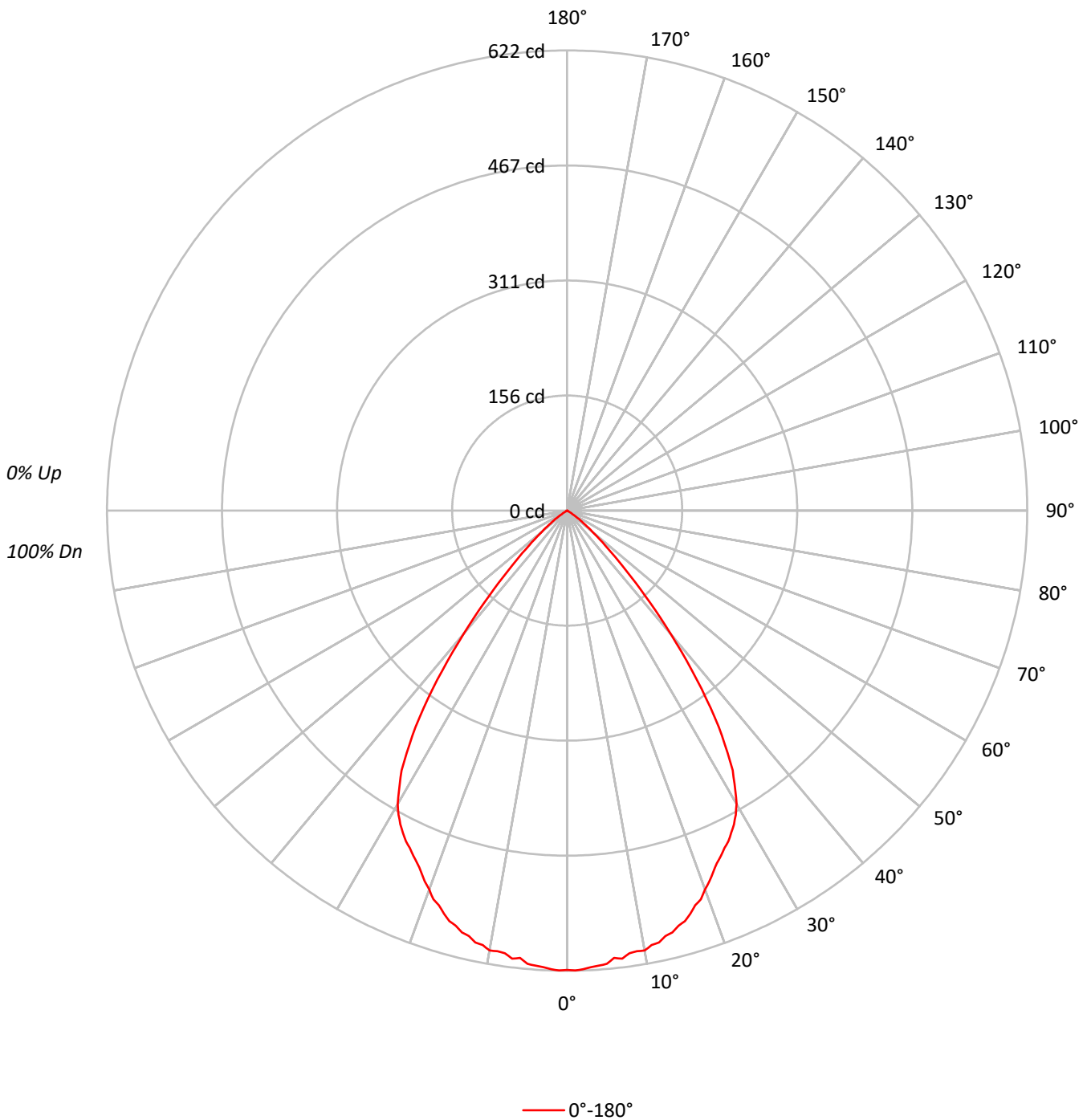
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 773.7 lumens
Efficiency: N/A
Efficacy: 77.4 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 (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: P496087
CATALOG NUMBER: LDA2B109030R70D010 2LBDL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P496087

CATALOG NUMBER: LDA2B109030R70D010 2LBDL1LI

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	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°	306328
5°	304527
10°	302487
15°	296857
20°	286138
25°	273924
30°	260973
35°	215316
40°	139949
45°	73121
50°	34002
55°	12472
60°	1283
65°	1051
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P496087

CATALOG NUMBER: LDA2B109030R70D010 2LBDL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	7.5
10°-20°	163.3	21.1
20°-30°	231.8	30.0
30°-40°	216.8	28.0
40°-50°	87.2	11.3
50°-60°	15.3	2.0
60°-70°	0.8	0.1
70°-80°	0.4	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°	453.3	58.6
0°-40°	670.1	86.6
0°-60°	772.5	99.9
0°-90°	773.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	615	58
15°	581	163
25°	503	232
35°	358	217
45°	105	87
55°	14	15
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496087

CATALOG NUMBER: LDA2B109030R70D010 2LBDL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	620.9
1°	621.7
2°	620.4
3°	617.9
4°	616.6
5°	614.9
6°	608.1
7°	610.2
8°	604.2
9°	603.0
10°	603.8
11°	598.3
12°	597.0
13°	590.2
14°	587.6
15°	581.2
16°	577.4
17°	569.7
18°	560.8
19°	555.7
20°	545.0
21°	536.9
22.5°	522.0
23°	518.2
24°	510.9
25°	503.2
26°	497.3
27°	488.8
28°	480.2
29°	470.0
30°	458.1
32.5°	416.3
35°	357.5
37.5°	288.1
40°	217.3
42.5°	155.1
45°	104.8
47.5°	69.0
50°	44.3
52.5°	27.7
55°	14.5
57.5°	4.7
60°	1.3
62.5°	0.9
65°	0.9



TEST NUMBER: P496087

CATALOG NUMBER: LDA2B109030R70D010 2LBDL1LI

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)