

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: P496518

Luminaire Tested: **LDA2B109040R70D010 2LBDL1H**

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: P496518
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: LDA2B109040R70D010 2LBDL1H
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

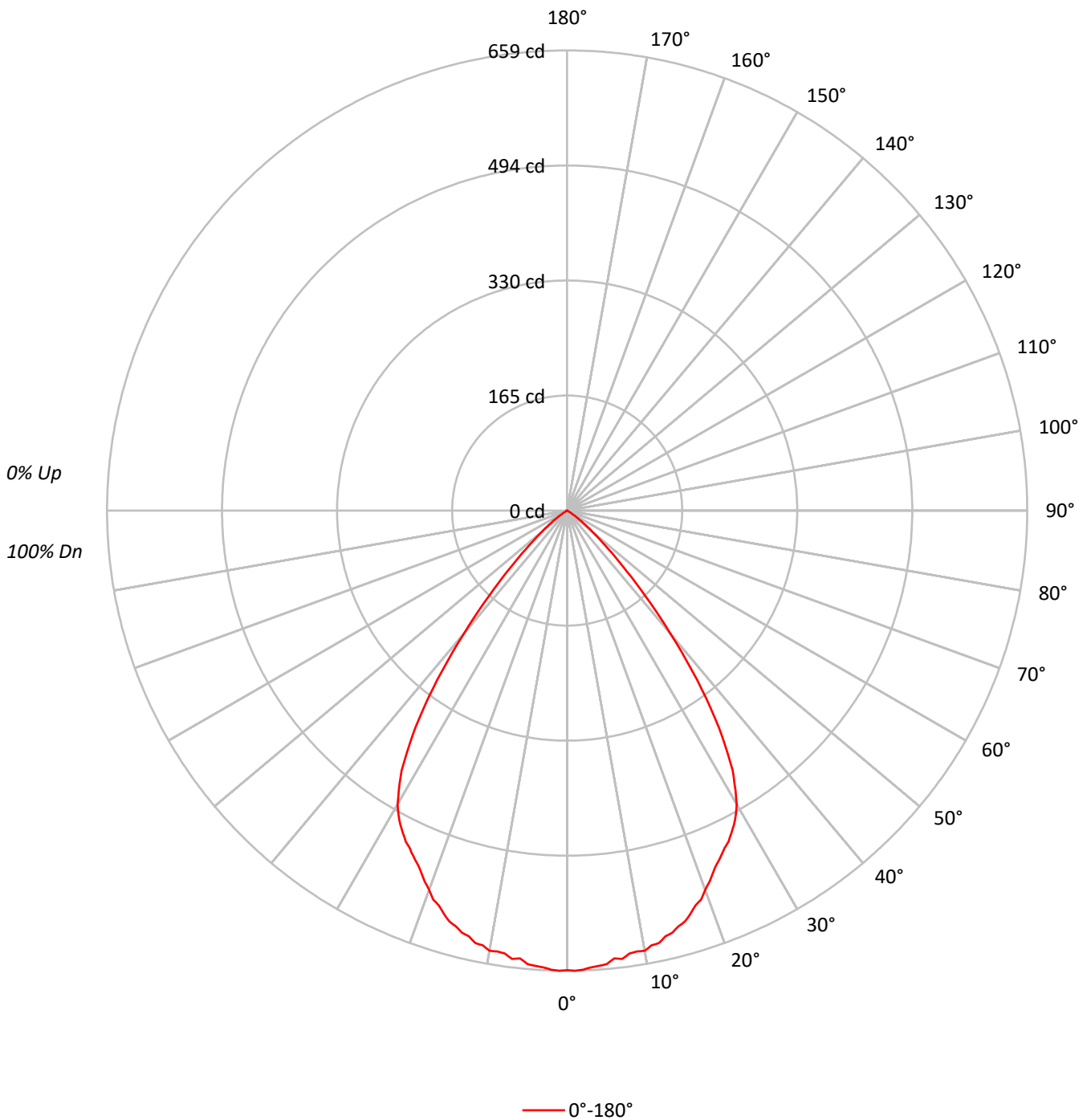
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 820.4 lumens
Efficiency: N/A
Efficacy: 82.0 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: P496518
CATALOG NUMBER: LDA2B109040R70D010 2LBDL1H

Luminous Intensity Polar Plot





TEST NUMBER: P496518

CATALOG NUMBER: LDA2B109040R70D010 2LBDL1H

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		81	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°	324780
5°	322851
10°	320723
15°	314734
20°	303359
25°	290473
30°	276696
35°	228265
40°	148386
45°	77517
50°	36074
55°	13246
60°	1381
65°	1051
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P496518

CATALOG NUMBER: LDA2B109040R70D010 2LBDL1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	7.5
10°-20°	173.2	21.1
20°-30°	245.8	30.0
30°-40°	229.8	28.0
40°-50°	92.4	11.3
50°-60°	16.2	2.0
60°-70°	0.8	0.1
70°-80°	0.5	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°	480.6	58.6
0°-40°	710.5	86.6
0°-60°	819.1	99.8
0°-90°	820.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	658	
5°	652	62
15°	616	173
25°	534	246
35°	379	230
45°	111	92
55°	15	16
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496518

CATALOG NUMBER: LDA2B109040R70D010 2LBDL1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	658.3
1°	659.2
2°	657.8
3°	655.1
4°	653.7
5°	651.9
6°	644.7
7°	647.0
8°	640.6
9°	639.3
10°	640.2
11°	634.3
12°	633.0
13°	625.7
14°	623.0
15°	616.2
16°	612.2
17°	604.0
18°	594.6
19°	589.1
20°	577.8
21°	569.3
22.5°	553.4
23°	549.4
24°	541.7
25°	533.6
26°	527.2
27°	518.2
28°	509.2
29°	498.3
30°	485.7
32.5°	441.4
35°	379.0
37.5°	305.4
40°	230.4
42.5°	164.5
45°	111.1
47.5°	73.2
50°	47.0
52.5°	29.4
55°	15.4
57.5°	5.0
60°	1.4
62.5°	0.9
65°	0.9



TEST NUMBER: P496518

CATALOG NUMBER: LDA2B109040R70D010 2LBDL1H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)