

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: P496408

Luminaire Tested: **LDA2B109040R35D010 2LBD1MW**

Issue Date: 3/12/2021

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: P496408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109040R35D010 2LBD1MW
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

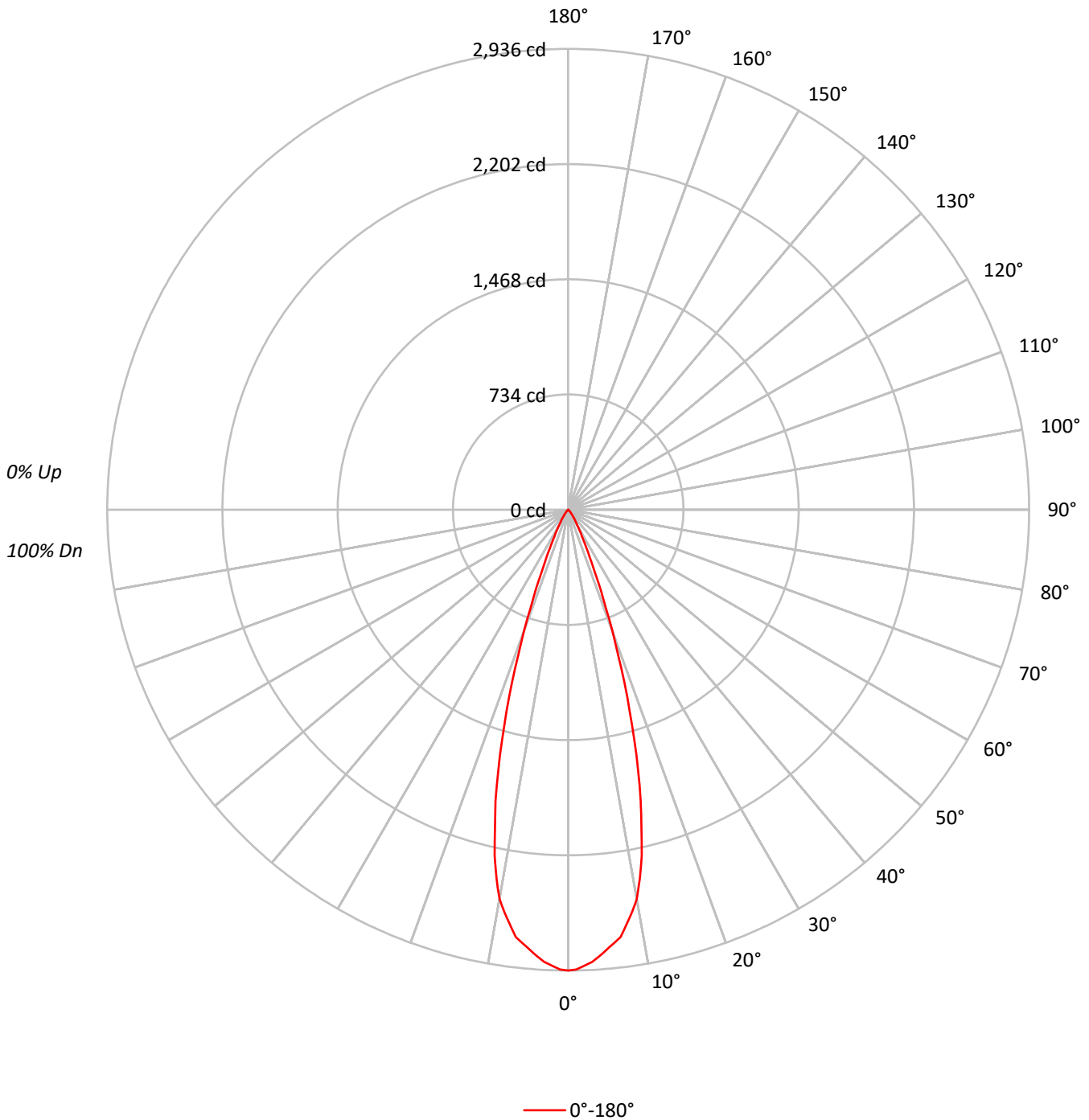
Lumens per Lamp: N/A
Luminaire Lumens: 921.8 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P496408

CATALOG NUMBER: LDA2B109040R35D010 2LBD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P496408

CATALOG NUMBER: LDA2B109040R35D010 2LBD1MW

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1448609
5°	1393475
10°	1262050
15°	878517
20°	430520
25°	160588
30°	70527
35°	34270
40°	15715
45°	8512
50°	4145
55°	1204
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P496408

CATALOG NUMBER: LDA2B109040R35D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.0	28.2
10°-20°	455.7	49.4
20°-30°	155.3	16.8
30°-40°	38.6	4.2
40°-50°	10.0	1.1
50°-60°	1.9	0.2
60°-70°	0.4	0.0
70°-80°	0.0	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°	871.0	94.5
0°-40°	909.6	98.7
0°-60°	921.4	100.0
0°-90°	921.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2936	
5°	2814	260
15°	1720	456
25°	295	155
35°	57	39
45°	12	10
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496408

CATALOG NUMBER: LDA2B109040R35D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2936.2
1°	2930.3
2°	2907.7
3°	2886.0
4°	2851.2
5°	2813.7
6°	2777.1
7°	2742.8
8°	2668.7
9°	2596.9
10°	2519.2
11°	2391.8
12°	2253.5
13°	2075.5
14°	1910.6
15°	1720.0
16°	1533.8
17°	1340.0
18°	1158.8
19°	975.4
20°	820.0
21°	671.8
22.5°	492.9
23°	442.8
24°	361.4
25°	295.0
26°	244.0
27°	203.8
28°	171.7
29°	145.0
30°	123.8
32.5°	84.0
35°	56.9
37.5°	38.4
40°	24.4
42.5°	16.7
45°	12.2
47.5°	8.6
50°	5.4
52.5°	3.2
55°	1.4
57.5°	0.9
60°	0.5
62.5°	0.5
65°	0.5



TEST NUMBER: P496408

CATALOG NUMBER: LDA2B109040R35D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.0
72.5°	0.0
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)