

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: P496343

Luminaire Tested: **LDA2B109040R20D010 2LBDL1MB**

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: P496343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109040R20D010 2LBDL1MB
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

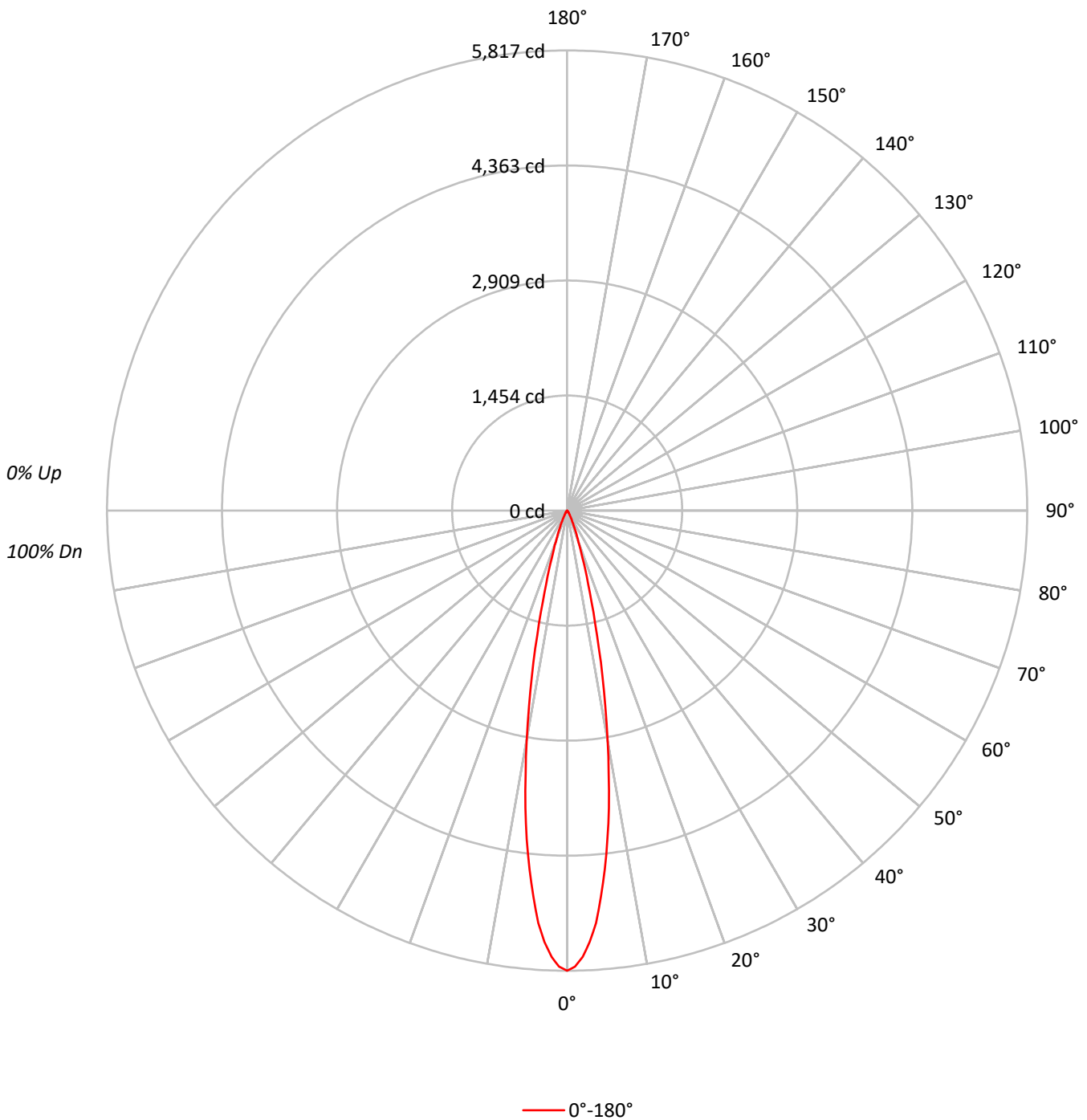
Lumens per Lamp: N/A
Luminaire Lumens: 868.1 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P496343

CATALOG NUMBER: LDA2B109040R20D010 2LBDL1MB

Luminous Intensity Polar Plot





TEST NUMBER: P496343

CATALOG NUMBER: LDA2B109040R20D010 2LBDL1MB

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	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	104	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	90		94	92	90		93	91	89	88
6	101	95	91	89	100	95	91	88	93	90	88		92	89	87		91	89	87	86
7	98	93	89	86	97	92	89	86	91	88	86		90	87	85		89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84		88	85	83		87	85	83	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	81
10	92	86	83	80	91	86	83	80	85	82	80		85	82	80		84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2869738
5°	2425618
10°	1477970
15°	608067
20°	218935
25°	87806
30°	39878
35°	18791
40°	9918
45°	5372
50°	3147
55°	1548
60°	888
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P496343

CATALOG NUMBER: LDA2B109040R20D010 2LBDL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.0	46.5
10°-20°	349.4	40.3
20°-30°	84.2	9.7
30°-40°	21.6	2.5
40°-50°	6.5	0.7
50°-60°	1.9	0.2
60°-70°	0.5	0.1
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°	837.7	96.5
0°-40°	859.3	99.0
0°-60°	867.7	99.9
0°-90°	868.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5817	
5°	4898	404
15°	1190	349
25°	161	84
35°	31	22
45°	8	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496343

CATALOG NUMBER: LDA2B109040R20D010 2LBDL1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	5816.7
1°	5766.1
2°	5645.5
3°	5462.1
4°	5225.8
5°	4897.8
6°	4559.0
7°	4184.9
8°	3796.4
9°	3360.4
10°	2950.2
11°	2521.4
12°	2145.5
13°	1790.0
14°	1463.8
15°	1190.5
16°	964.6
17°	778.9
18°	628.4
19°	516.8
20°	417.0
22.5°	257.1
25°	161.3
27.5°	104.8
30°	70.0
32.5°	46.1
35°	31.2
37.5°	21.7
40°	15.4
42.5°	10.8
45°	7.7
47.5°	5.9
50°	4.1
52.5°	2.7
55°	1.8
57.5°	1.4
60°	0.9
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P496343

CATALOG NUMBER: LDA2B109040R20D010 2LBDL1MB

CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)