

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: P496466

Luminaire Tested: **LDA2B109040R60D010 2LBD1MW**

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: P496466  
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: LDA2B109040R60D010 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

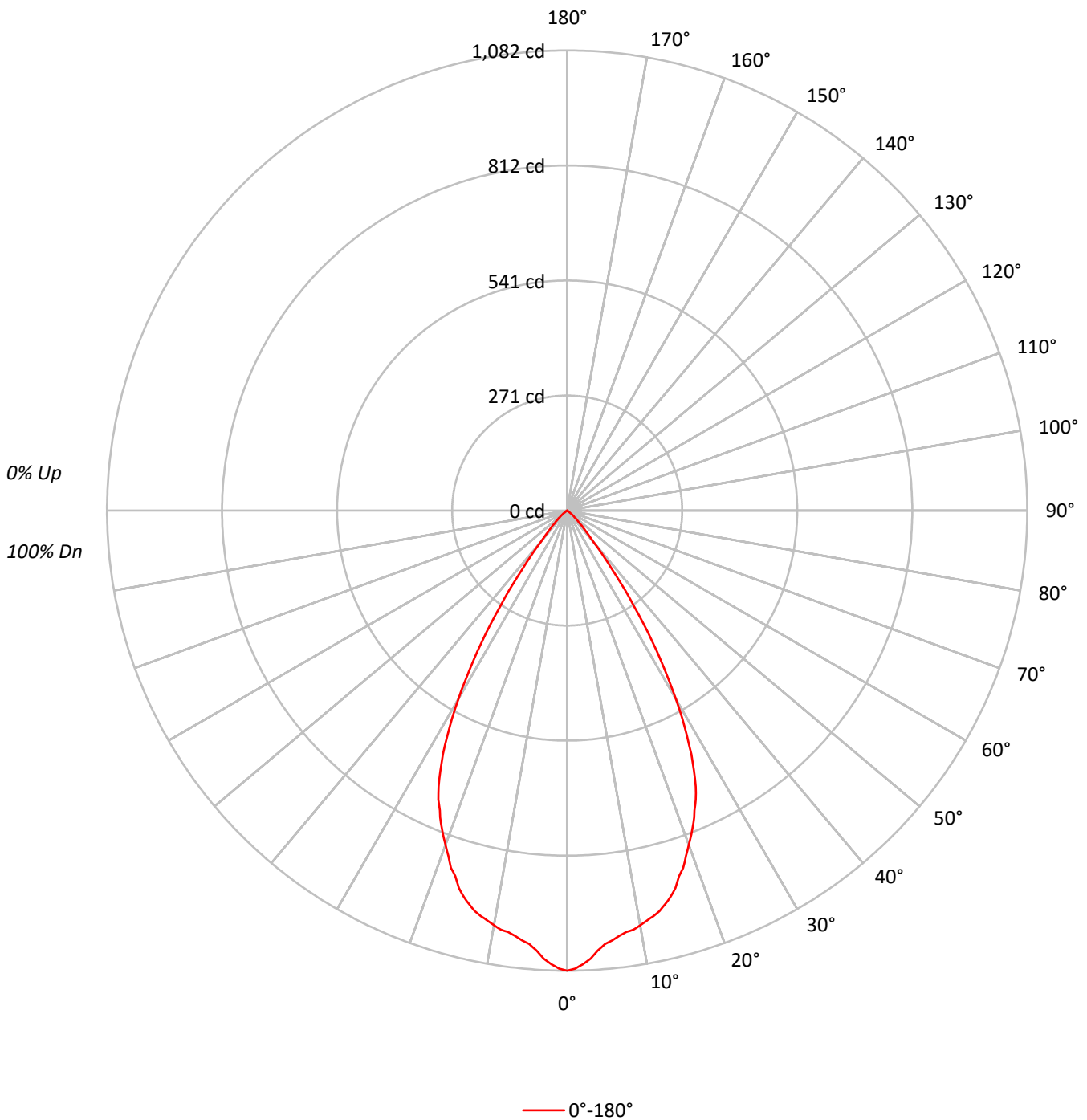
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.7 lumens  
Efficiency: N/A  
Efficacy: 89.2 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 (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: P496466  
CATALOG NUMBER: LDA2B109040R60D010 2LBD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P496466

CATALOG NUMBER: LDA2B109040R60D010 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	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°	533817
5°	506786
10°	496113
15°	480222
20°	439078
25°	389819
30°	291622
35°	164604
40°	61956
45°	27769
50°	13509
55°	2752
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P496466

CATALOG NUMBER: LDA2B109040R60D010 2LBD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	10.9
10°-20°	261.1	29.3
20°-30°	319.0	35.8
30°-40°	174.0	19.5
40°-50°	34.8	3.9
50°-60°	5.0	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°	677.1	75.9
0°-40°	851.1	95.4
0°-60°	890.9	99.9
0°-90°	891.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1082	
5°	1023	97
15°	940	261
25°	716	319
35°	273	174
45°	40	35
55°	3	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496466

CATALOG NUMBER: LDA2B109040R60D010 2LBD1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1082.0
1°	1077.1
2°	1067.6
3°	1054.9
4°	1036.8
5°	1023.3
6°	1016.1
7°	1007.5
8°	1000.7
9°	997.5
10°	990.3
11°	982.2
12°	975.0
13°	966.4
14°	953.7
15°	940.2
16°	923.0
17°	899.1
18°	883.7
19°	858.8
20°	836.3
21°	815.5
22.5°	780.7
23°	766.2
24°	744.1
25°	716.1
26°	680.4
27°	642.9
28°	600.0
29°	559.3
30°	511.9
32.5°	392.6
35°	273.3
37.5°	171.2
40°	96.2
42.5°	60.1
45°	39.8
47.5°	27.1
50°	17.6
52.5°	9.0
55°	3.2
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5



TEST NUMBER: P496466

CATALOG NUMBER: LDA2B109040R60D010 2LBD1MW

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
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)