

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: P496686

Luminaire Tested: **LDA2B109050R60D010 2LBDL1B**

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: P496686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109050R60D010 2LBDL1B
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

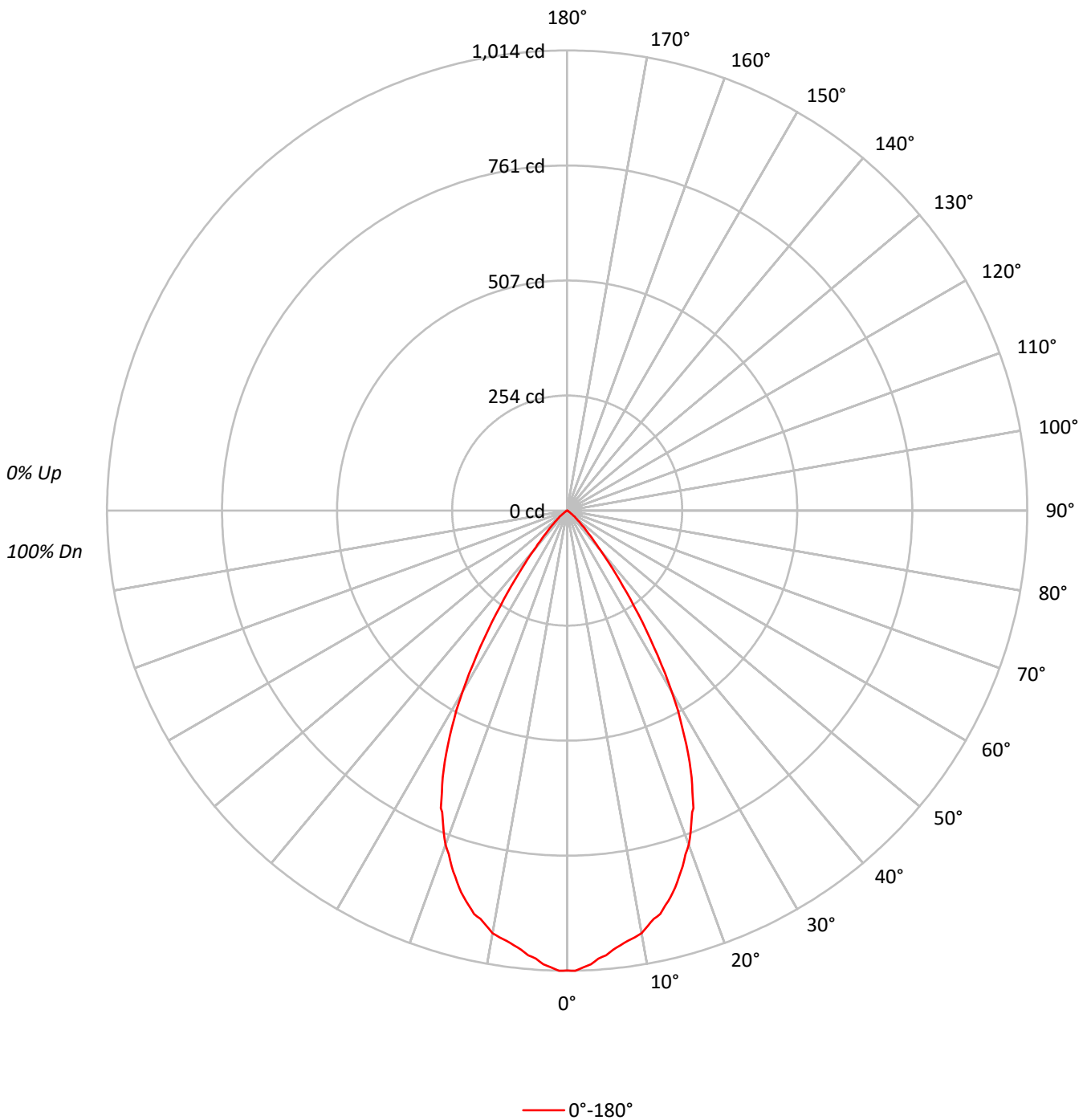
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 845.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
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: P496686
CATALOG NUMBER: LDA2B109050R60D010 2LBDL1B

Luminous Intensity Polar Plot





TEST NUMBER: P496686

CATALOG NUMBER: LDA2B109050R60D010 2LBDL1B

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	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	90	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79	76	73	71
6	88	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65		72	68	64		71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	57	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	500121
5°	487075
10°	473670
15°	450189
20°	411357
25°	353238
30°	262853
35°	154305
40°	73549
45°	34328
50°	17116
55°	6021
60°	1381
65°	1051
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P496686

CATALOG NUMBER: LDA2B109050R60D010 2LBDL1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	11.0
10°-20°	245.3	29.0
20°-30°	291.2	34.5
30°-40°	164.4	19.5
40°-50°	42.7	5.1
50°-60°	7.8	0.9
60°-70°	0.8	0.1
70°-80°	0.3	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°	629.0	74.4
0°-40°	793.4	93.9
0°-60°	843.9	99.9
0°-90°	845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1014	
5°	984	93
15°	881	245
25°	649	291
35°	256	164
45°	49	43
55°	7	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496686

CATALOG NUMBER: LDA2B109050R60D010 2LBDL1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1013.7
1°	1014.2
2°	1007.2
3°	1001.2
4°	989.6
5°	983.5
6°	972.9
7°	965.0
8°	957.5
9°	952.4
10°	945.5
11°	932.0
12°	919.5
13°	912.5
14°	896.3
15°	881.4
16°	864.2
17°	843.8
18°	824.3
19°	801.1
20°	783.5
21°	759.3
22.5°	719.4
23°	712.5
24°	678.6
25°	648.9
26°	615.9
27°	577.9
28°	540.3
29°	503.6
30°	461.4
32.5°	355.1
35°	256.2
37.5°	175.0
40°	114.2
42.5°	74.7
45°	49.2
47.5°	33.4
50°	22.3
52.5°	13.9
55°	7.0
57.5°	2.8
60°	1.4
62.5°	0.9
65°	0.9



TEST NUMBER: P496686

CATALOG NUMBER: LDA2B109050R60D010 2LBDL1B

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)