

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: P496680

Luminaire Tested: **LDA2B109050R60D010 2LBD1MB**

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: P496680
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: LDA2B109050R60D010 2LBD1MB
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

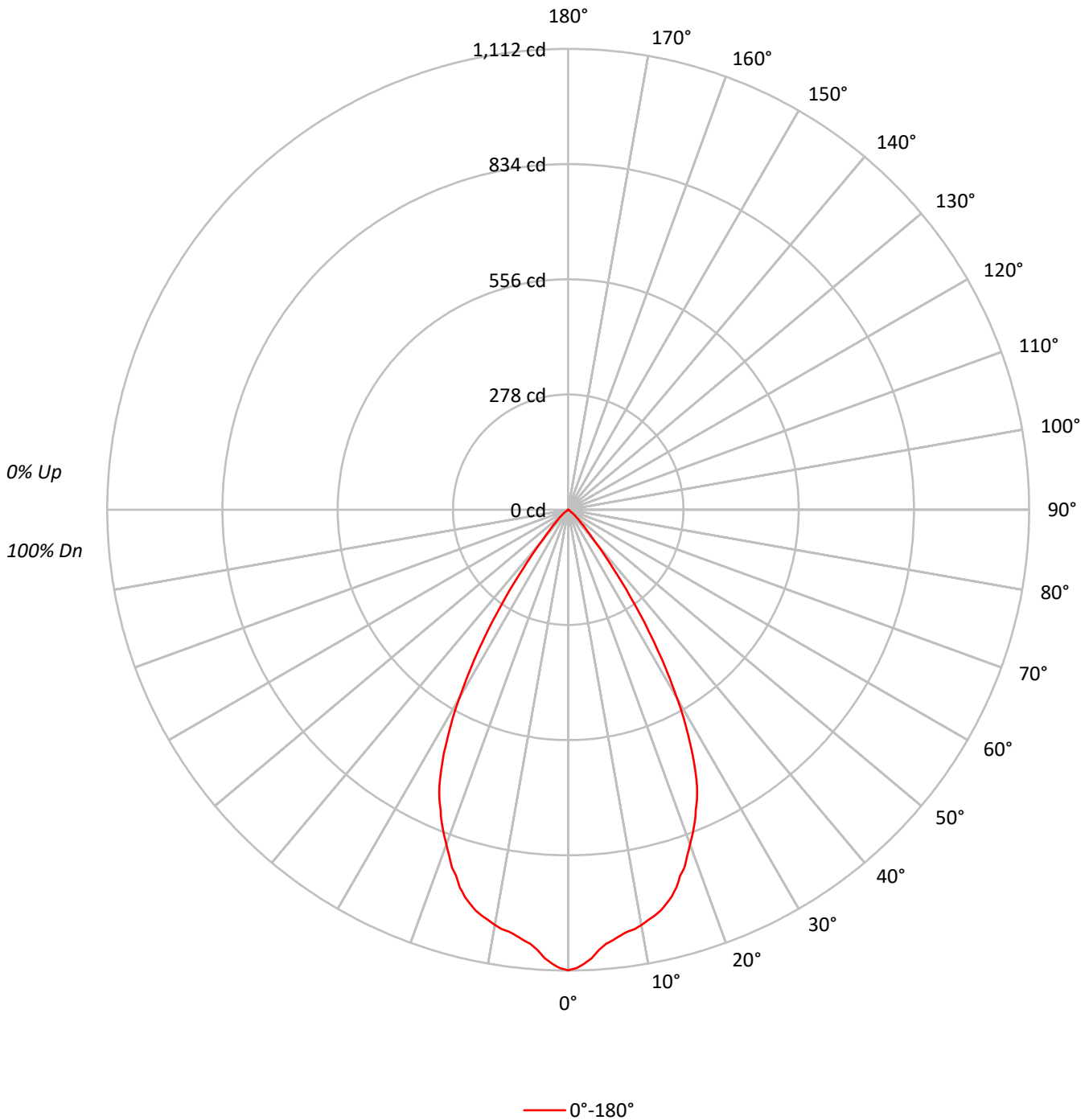
Lumens per Lamp: N/A
Luminaire Lumens: 916.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P496680

CATALOG NUMBER: LDA2B109050R60D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P496680

CATALOG NUMBER: LDA2B109050R60D010 2LBD1MB

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°	548421
5°	520652
10°	509690
15°	493349
20°	451049
25°	400489
30°	299597
35°	169121
40°	63695
45°	28467
50°	13892
55°	2752
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P496680

CATALOG NUMBER: LDA2B109050R60D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	10.9
10°-20°	268.3	29.3
20°-30°	327.8	35.8
30°-40°	178.8	19.5
40°-50°	35.8	3.9
50°-60°	5.1	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°	695.6	75.9
0°-40°	874.3	95.4
0°-60°	915.2	99.9
0°-90°	916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1112	
5°	1051	100
15°	966	268
25°	736	328
35°	281	179
45°	41	36
55°	3	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496680

CATALOG NUMBER: LDA2B109050R60D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1111.6
1°	1106.5
2°	1096.8
3°	1083.8
4°	1065.2
5°	1051.3
6°	1043.9
7°	1035.0
8°	1028.1
9°	1024.8
10°	1017.4
11°	1009.1
12°	1001.6
13°	992.8
14°	979.8
15°	965.9
16°	948.3
17°	923.7
18°	907.9
19°	882.3
20°	859.1
21°	837.8
22.5°	802.0
23°	787.2
24°	764.4
25°	735.7
26°	699.0
27°	660.5
28°	616.4
29°	574.6
30°	525.9
32.5°	403.3
35°	280.8
37.5°	175.9
40°	98.9
42.5°	61.7
45°	40.8
47.5°	27.8
50°	18.1
52.5°	9.3
55°	3.2
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5



TEST NUMBER: P496680

CATALOG NUMBER: LDA2B109050R60D010 2LBD1MB

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)