

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: P496731

Luminaire Tested: **LDA2B109050R70D010 2LBD1WMH**

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: P496731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109050R70D010 2LBD1WMH
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

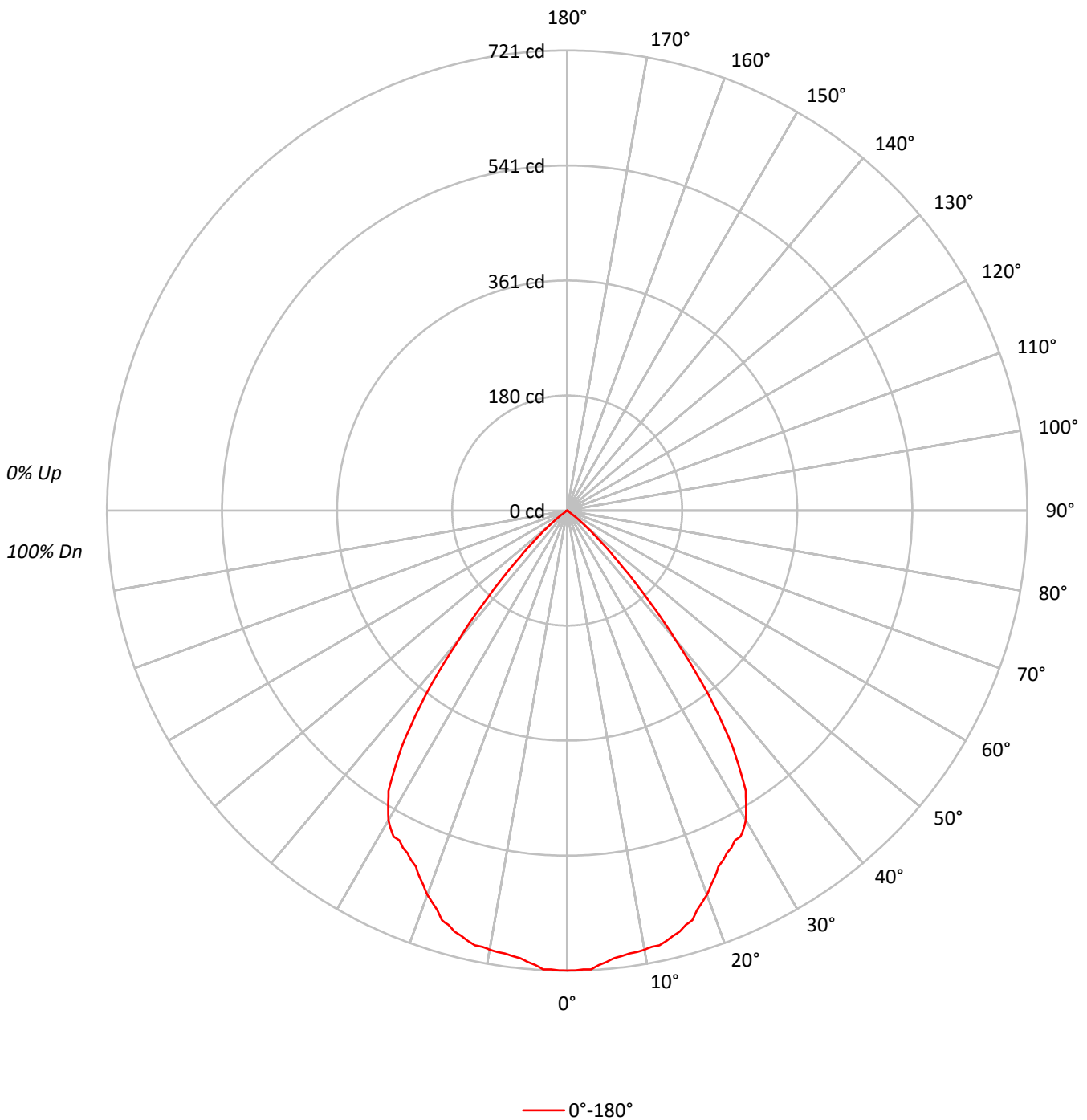
Lumens per Lamp: N/A
Luminaire Lumens: 910.2 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P496731

CATALOG NUMBER: LDA2B109050R70D010 2LBD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P496731

CATALOG NUMBER: LDA2B109050R70D010 2LBD1WMH

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355615
5°	351674
10°	349929
15°	348751
20°	336278
25°	322427
30°	319138
35°	272533
40°	170090
45°	78703
50°	28476
55°	1978
60°	888
65°	1051
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P496731

CATALOG NUMBER: LDA2B109050R70D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	7.4
10°-20°	191.2	21.0
20°-30°	275.0	30.2
30°-40°	271.0	29.8
40°-50°	96.6	10.6
50°-60°	7.9	0.9
60°-70°	0.7	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°	533.5	58.6
0°-40°	804.6	88.4
0°-60°	909.1	99.9
0°-90°	910.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	721	
5°	710	67
15°	683	191
25°	592	275
35°	452	271
45°	113	97
55°	2	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496731

CATALOG NUMBER: LDA2B109050R70D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	720.8
1°	720.8
2°	719.4
3°	719.9
4°	713.9
5°	710.1
6°	705.0
7°	703.2
8°	700.9
9°	700.4
10°	698.5
11°	696.2
12°	696.2
13°	692.0
14°	686.5
15°	682.8
16°	675.3
17°	671.2
18°	658.2
19°	649.3
20°	640.5
21°	628.9
22.5°	612.7
23°	606.2
24°	600.1
25°	592.3
26°	587.6
27°	579.7
28°	578.8
29°	570.4
30°	560.2
32.5°	520.8
35°	452.5
37.5°	363.9
40°	264.1
42.5°	180.6
45°	112.8
47.5°	67.3
50°	37.1
52.5°	13.9
55°	2.3
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.9



TEST NUMBER: P496731

CATALOG NUMBER: LDA2B109050R70D010 2LBD1WMH

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)