

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: P496558

Luminaire Tested: **LDA2B109050R20D010 2LBDL1LI**

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: P496558  
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: LDA2B109050R20D010 2LBDL1LI  
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**

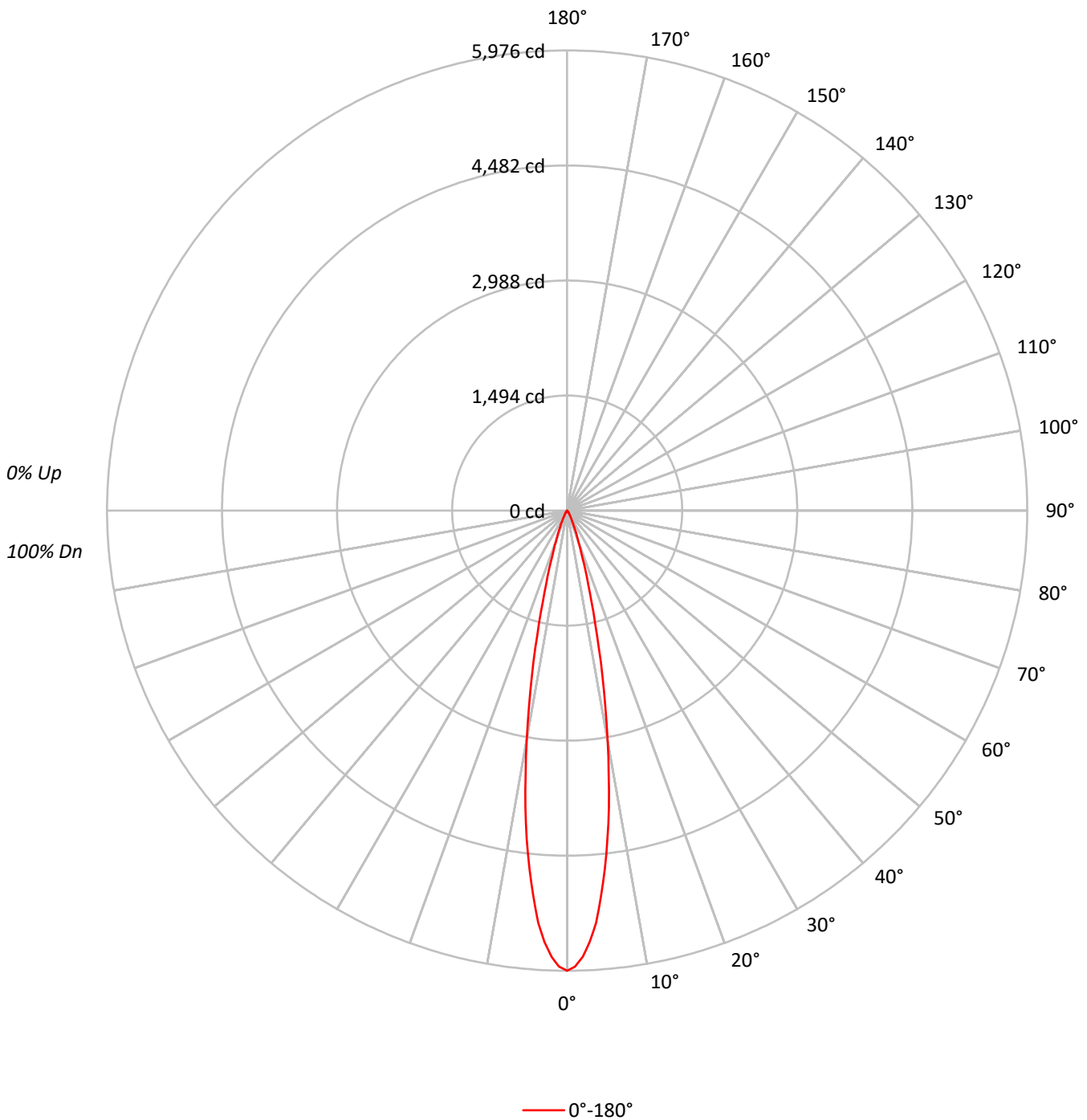
Lumens per Lamp: N/A  
Luminaire Lumens: 891.8 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20							
RC	80				70				50				30				10							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	105	104	103	102	102	100	100	99	99	97	97	97	97
2	112	109	106	104	110	107	105	102	104	102	100	100	101	100	98	98	98	97	96	96	95	95	95	95
3	109	105	101	99	107	103	100	98	101	98	96	96	99	97	95	95	97	95	94	94	92	92	92	92
4	106	101	98	95	104	100	97	94	98	95	93	93	96	94	92	92	95	93	91	91	90	90	90	90
5	103	98	94	92	102	97	94	91	96	93	90	90	94	92	90	90	93	91	89	89	88	88	88	88
6	101	95	91	89	100	95	91	88	93	90	88	88	92	89	87	87	91	89	87	87	86	86	86	86
7	98	93	89	86	97	92	89	86	91	88	86	86	90	87	85	85	89	87	85	85	84	84	84	84
8	96	90	87	84	95	90	86	84	89	86	84	84	88	85	83	83	87	85	83	83	82	82	82	82
9	94	88	85	82	93	88	84	82	87	84	82	82	86	84	82	82	86	83	81	81	81	81	81	81
10	92	86	83	80	91	86	83	80	85	82	80	80	85	82	80	80	84	82	80	80	79	79	79	79

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2948281
5°	2491981
10°	1518398
15°	624666
20°	224921
25°	90201
30°	40960
35°	19273
40°	10176
45°	5512
50°	3224
55°	1634
60°	888
65°	584
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	415.1	46.5
10°-20°	359.0	40.3
20°-30°	86.5	9.7
30°-40°	22.2	2.5
40°-50°	6.7	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
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0°-30°	860.6	96.5
0°-40°	882.8	99.0
0°-60°	891.4	99.9
0°-90°	891.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5976	
5°	5032	415
15°	1223	359
25°	166	87
35°	32	22
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5975.9
1°	5923.9
2°	5800.0
3°	5611.5
4°	5368.8
5°	5031.8
6°	4683.7
7°	4299.4
8°	3900.2
9°	3452.3
10°	3030.9
11°	2590.4
12°	2204.2
13°	1838.9
14°	1503.8
15°	1223.0
16°	991.0
17°	800.2
18°	645.6
19°	531.0
20°	428.4
22.5°	264.1
25°	165.7
27.5°	107.7
30°	71.9
32.5°	47.3
35°	32.0
37.5°	22.3
40°	15.8
42.5°	11.1
45°	7.9
47.5°	6.0
50°	4.2
52.5°	2.8
55°	1.9
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



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)