

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: P496510

Luminaire Tested: **LDA2B109040R70D010 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: P496510  
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: LDA2B109040R70D010 2LBD1MB  
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**

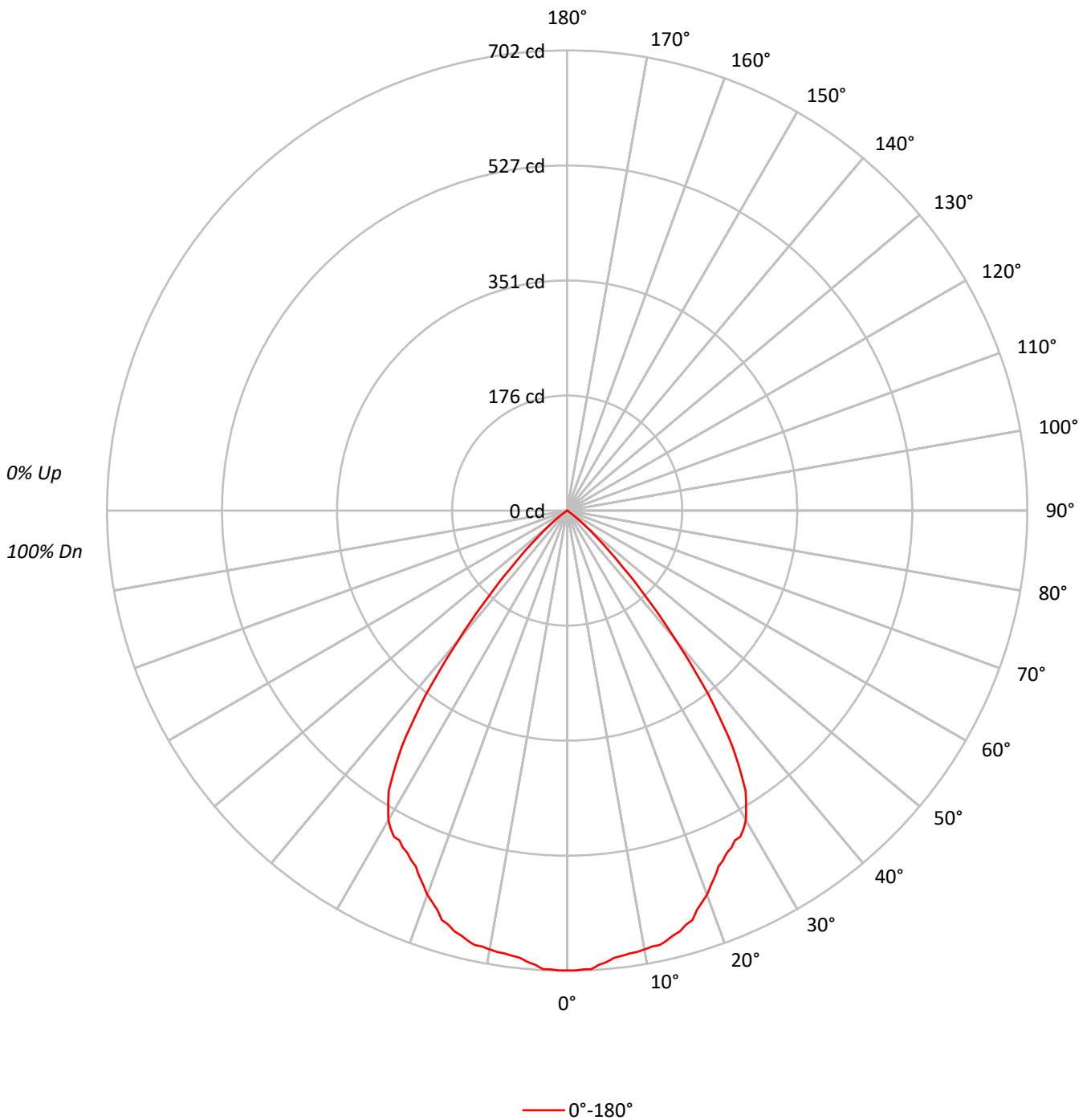
Lumens per Lamp: N/A  
Luminaire Lumens: 886.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (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	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°	346143
5°	342314
10°	340611
15°	339455
20°	327353
25°	313826
30°	310649
35°	265306
40°	165582
45°	76610
50°	27708
55°	1978
60°	888
65°	1051
70°	721
75°	953
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.6	7.4
10°-20°	186.1	21.0
20°-30°	267.6	30.2
30°-40°	263.8	29.8
40°-50°	94.0	10.6
50°-60°	7.8	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°	519.3	58.6
0°-40°	783.2	88.4
0°-60°	884.9	99.9
0°-90°	886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	702	
5°	691	66
15°	665	186
25°	576	268
35°	440	264
45°	110	94
55°	2	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	701.6
1°	701.6
2°	700.3
3°	700.7
4°	694.8
5°	691.2
6°	686.3
7°	684.5
8°	682.2
9°	681.7
10°	679.9
11°	677.7
12°	677.7
13°	673.6
14°	668.2
15°	664.6
16°	657.3
17°	653.3
18°	640.6
19°	632.0
20°	623.5
21°	612.2
22.5°	596.4
23°	590.0
24°	584.2
25°	576.5
26°	572.0
27°	564.3
28°	563.4
29°	555.2
30°	545.3
32.5°	506.9
35°	440.5
37.5°	354.2
40°	257.1
42.5°	175.7
45°	109.8
47.5°	65.5
50°	36.1
52.5°	13.6
55°	2.3
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.9



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**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)