

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: P495015

Luminaire Tested: **LDA2B108035R70D010 2LBDLC1MMS**

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: P495015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B108035R70D010 2LBDLC1MMS  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

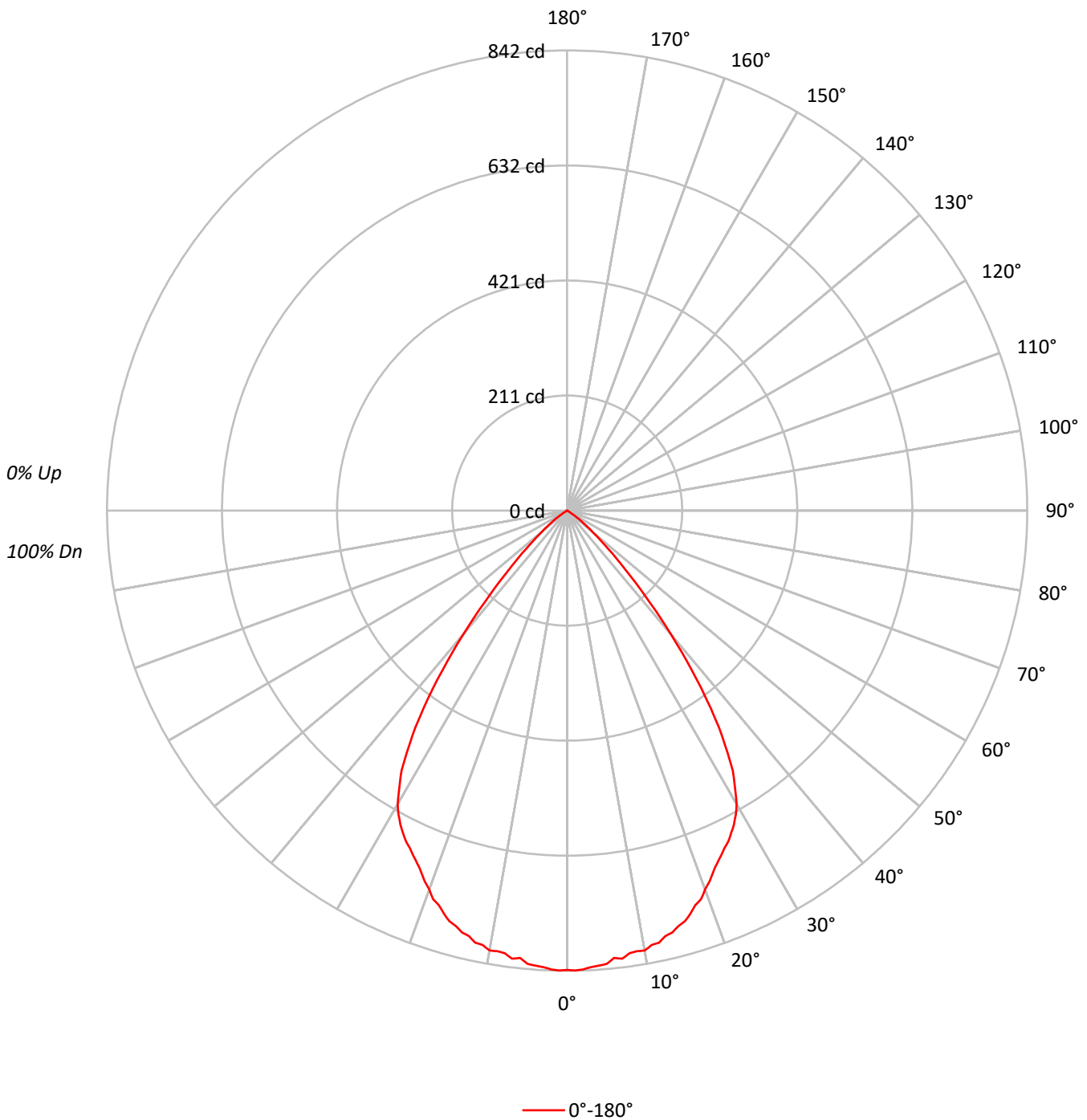
Lumens per Lamp: N/A  
Luminaire Lumens: 1047.5 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93				93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78				78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66				66
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61				61
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56				56
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52				52
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48				48
10	68	57	51	46	66	57	50	46	56	50	46	55	50	46	54	49	46	45				45

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

	0°
0°	414671
5°	412293
10°	409545
15°	401922
20°	387416
25°	370876
30°	353319
35°	291505
40°	189476
45°	99006
50°	46052
55°	16859
60°	1677
65°	1401
70°	865
75°	1144
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.7	7.5
10°-20°	221.1	21.1
20°-30°	313.9	30.0
30°-40°	293.5	28.0
40°-50°	118.0	11.3
50°-60°	20.6	2.0
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	613.7	58.6
0°-40°	907.2	86.6
0°-60°	1045.9	99.8
0°-90°	1047.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	840	
5°	832	79
15°	787	221
25°	681	314
35°	484	293
45°	142	118
55°	20	21
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	840.5
1°	841.7
2°	840.0
3°	836.5
4°	834.8
5°	832.5
6°	823.2
7°	826.1
8°	818.0
9°	816.3
10°	817.5
11°	810.0
12°	808.2
13°	799.0
14°	795.5
15°	786.9
16°	781.7
17°	771.3
18°	759.2
19°	752.3
20°	737.9
21°	726.9
22.5°	706.7
23°	701.5
24°	691.7
25°	681.3
26°	673.2
27°	661.7
28°	650.2
29°	636.3
30°	620.2
32.5°	563.6
35°	484.0
37.5°	390.0
40°	294.2
42.5°	210.0
45°	141.9
47.5°	93.5
50°	60.0
52.5°	37.5
55°	19.6
57.5°	6.3
60°	1.7
62.5°	1.2
65°	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)