

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: P498903

Luminaire Tested: **LDA2B159030R70D010 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: P498903  
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: LDA2B159030R70D010 2LBDLC1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

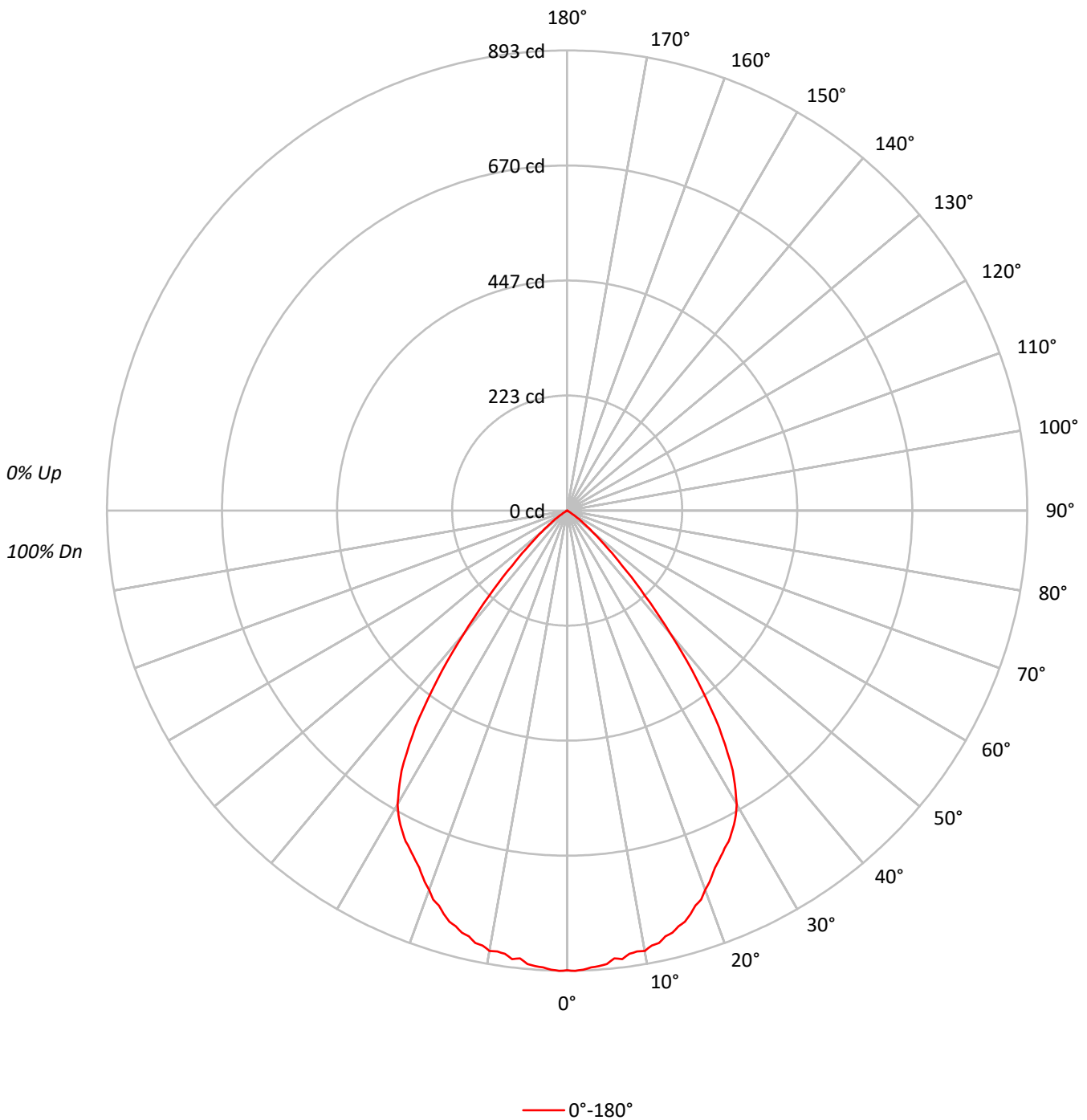
Lumens per Lamp: N/A  
Luminaire Lumens: 1111.8 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
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	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	108	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	47	66	57	50	46	56	50	46	55	50	46	54	49	46	45					45			

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

	0°
0°	440177
5°	437600
10°	434694
15°	426643
20°	411199
25°	393684
30°	375024
35°	309453
40°	201133
45°	105076
50°	48892
55°	17891
60°	1776
65°	1401
70°	865
75°	1144
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	7.5
10°-20°	234.7	21.1
20°-30°	333.1	30.0
30°-40°	311.5	28.0
40°-50°	125.3	11.3
50°-60°	21.9	2.0
60°-70°	1.0	0.1
70°-80°	0.6	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°	651.4	58.6
0°-40°	963.0	86.6
0°-60°	1110.2	99.9
0°-90°	1111.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	892	
5°	884	84
15°	835	235
25°	723	333
35°	514	312
45°	151	125
55°	21	22
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	892.2
1°	893.4
2°	891.6
3°	887.9
4°	886.1
5°	883.6
6°	873.9
7°	876.9
8°	868.3
9°	866.5
10°	867.7
11°	859.8
12°	857.9
13°	848.1
14°	844.5
15°	835.3
16°	829.8
17°	818.7
18°	805.9
19°	798.5
20°	783.2
21°	771.6
22.5°	750.2
23°	744.6
24°	734.2
25°	723.2
26°	714.6
27°	702.4
28°	690.1
29°	675.4
30°	658.3
32.5°	598.3
35°	513.8
37.5°	414.0
40°	312.3
42.5°	222.9
45°	150.6
47.5°	99.2
50°	63.7
52.5°	39.8
55°	20.8
57.5°	6.7
60°	1.8
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)