

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: P492840

Luminaire Tested: **LDA2B059024R70D010 2LBD1MW**

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: P492840  
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: LDA2B059024R70D010 2LBD1MW  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

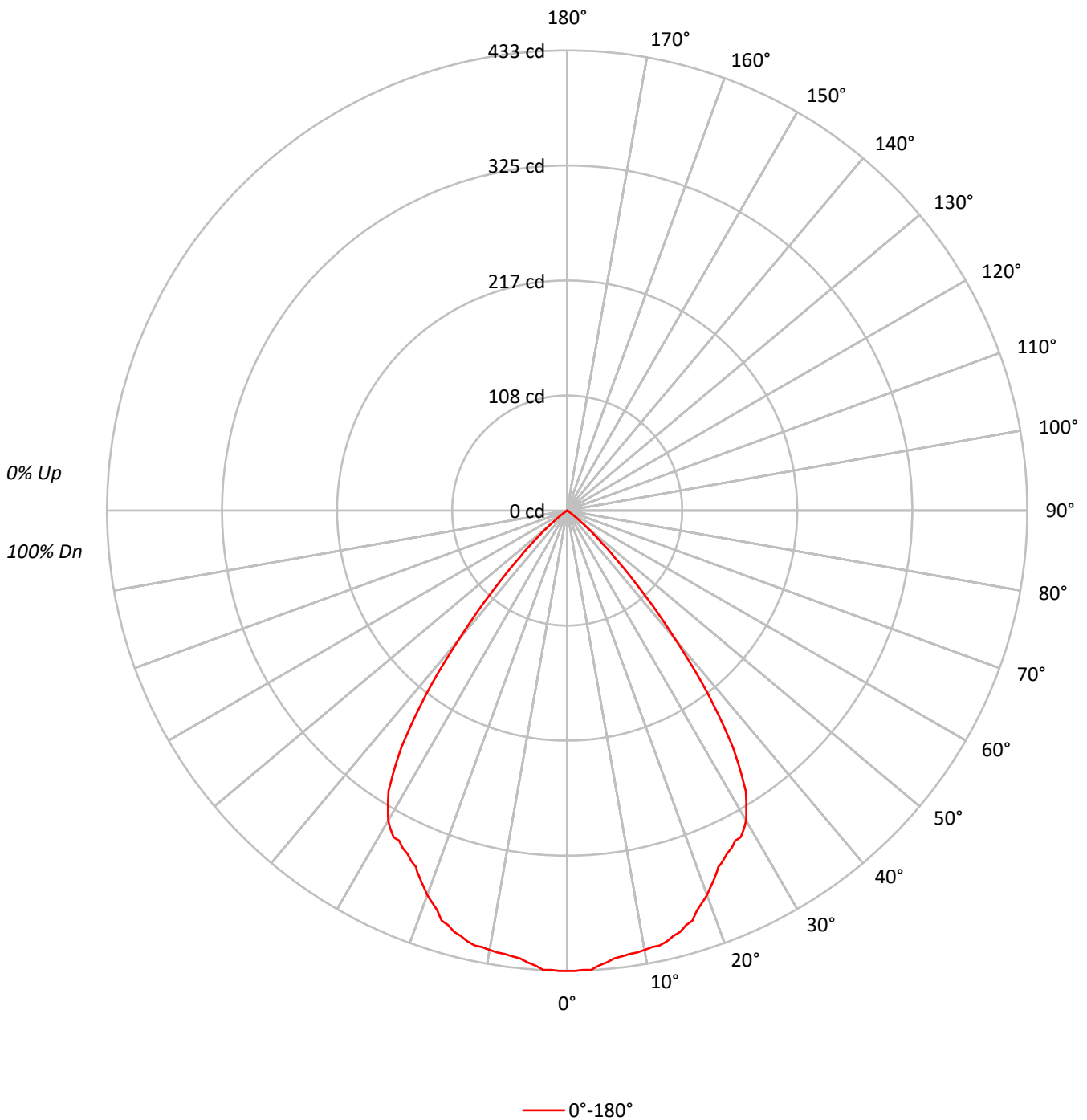
Lumens per Lamp: N/A  
Luminaire Lumens: 547.2 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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

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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°	213774
5°	211421
10°	210358
15°	209618
20°	202134
25°	193794
30°	191870
35°	163821
40°	102273
45°	47305
50°	17116
55°	1204
60°	592
65°	700
70°	433
75°	572
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.5	7.4
10°-20°	114.9	21.0
20°-30°	165.3	30.2
30°-40°	162.9	29.8
40°-50°	58.1	10.6
50°-60°	4.8	0.9
60°-70°	0.5	0.1
70°-80°	0.2	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°	320.7	58.6
0°-40°	483.7	88.4
0°-60°	546.5	99.9
0°-90°	547.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	433	
5°	427	40
15°	410	115
25°	356	165
35°	272	163
45°	68	58
55°	1	5
65°	1	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	433.3
1°	433.3
2°	432.5
3°	432.8
4°	429.1
5°	426.9
6°	423.8
7°	422.7
8°	421.3
9°	421.0
10°	419.9
11°	418.5
12°	418.5
13°	416.0
14°	412.7
15°	410.4
16°	406.0
17°	403.5
18°	395.6
19°	390.3
20°	385.0
21°	378.1
22.5°	368.3
23°	364.4
24°	360.8
25°	356.0
26°	353.2
27°	348.5
28°	347.9
29°	342.9
30°	336.8
32.5°	313.1
35°	272.0
37.5°	218.7
40°	158.8
42.5°	108.5
45°	67.8
47.5°	40.5
50°	22.3
52.5°	8.4
55°	1.4
57.5°	0.8
60°	0.6
62.5°	0.6
65°	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)