

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: P493872

Luminaire Tested: **LDA2B059050R60D010 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: P493872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B059050R60D010 2LBD1MB  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

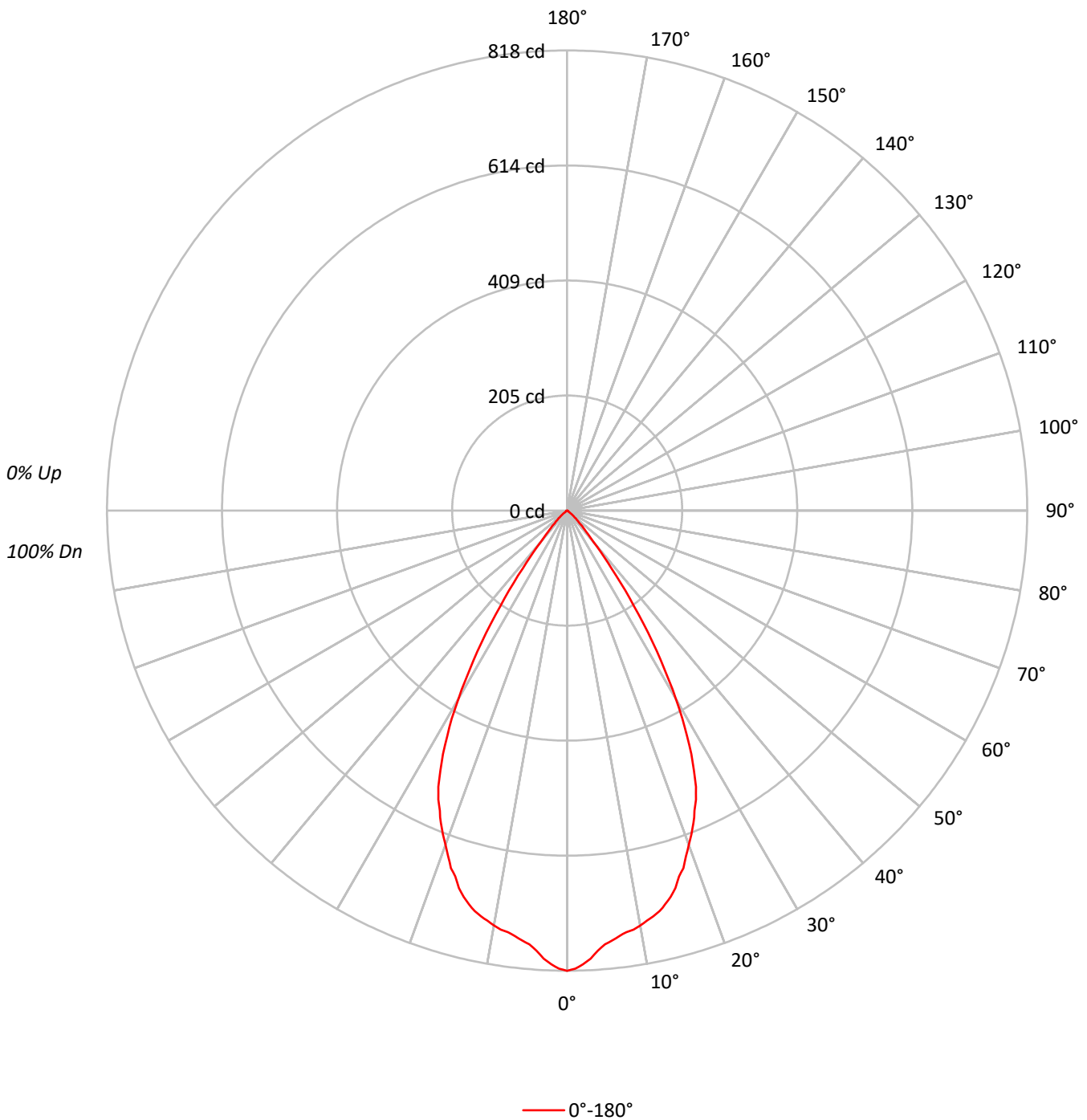
Lumens per Lamp: N/A  
Luminaire Lumens: 674.2 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	66	74	69	65		73	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	54	63	58	54		62	57	54		61	57	54	53

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

	0°
0°	403669
5°	383222
10°	375178
15°	363154
20°	332026
25°	294773
30°	220525
35°	124492
40°	46886
45°	21001
50°	10208
55°	2064
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	10.9
10°-20°	197.5	29.3
20°-30°	241.3	35.8
30°-40°	131.6	19.5
40°-50°	26.3	3.9
50°-60°	3.8	0.6
60°-70°	0.4	0.1
70°-80°	0.1	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°	512.0	75.9
0°-40°	643.6	95.5
0°-60°	673.7	99.9
0°-90°	674.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	818	
5°	774	73
15°	711	197
25°	542	241
35°	207	132
45°	30	26
55°	2	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	818.2
1°	814.5
2°	807.3
3°	797.7
4°	784.1
5°	773.8
6°	768.4
7°	761.9
8°	756.7
9°	754.4
10°	748.9
11°	742.7
12°	737.3
13°	730.8
14°	721.2
15°	711.0
16°	698.0
17°	679.9
18°	668.3
19°	649.5
20°	632.4
21°	616.7
22.5°	590.4
23°	579.4
24°	562.7
25°	541.5
26°	514.5
27°	486.2
28°	453.7
29°	423.0
30°	387.1
32.5°	296.9
35°	206.7
37.5°	129.5
40°	72.8
42.5°	45.4
45°	30.1
47.5°	20.5
50°	13.3
52.5°	6.8
55°	2.4
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)