

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: P494018

Luminaire Tested: **LDA2B059727R30D010 2LBPIN1H**

Issue Date: 3/12/2021

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: P494018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B059727R30D010 2LBPIN1H  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

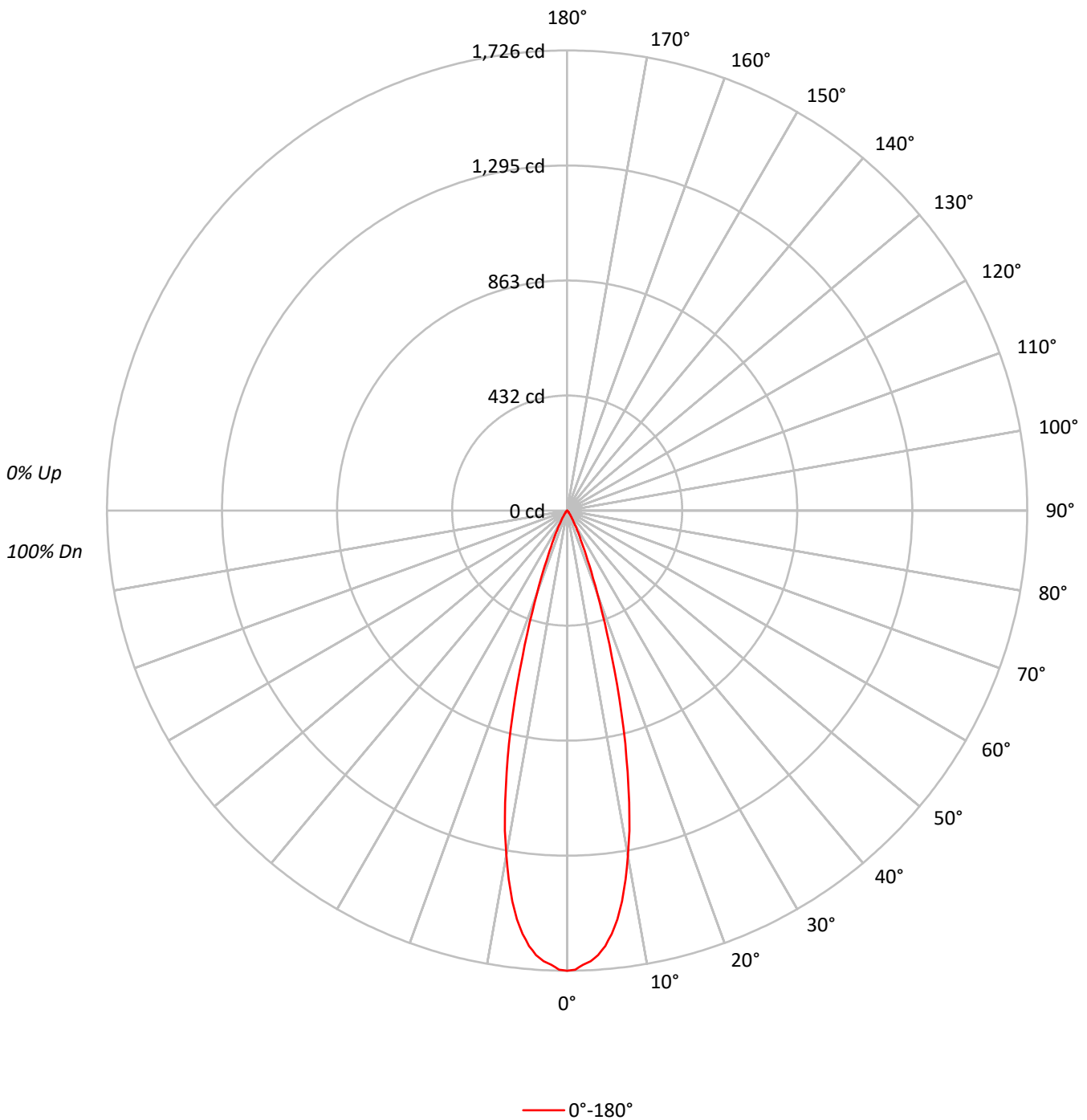
Lumens per Lamp: N/A  
Luminaire Lumens: 439.4 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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

TEST NUMBER: P494018

CATALOG NUMBER: LDA2B059727R30D010 2LBPIN1H

### 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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	81		86	83	81		85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	81	78	77
9	90	84	80	77	90	83	80	77	83	79	77		82	79	76		81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75		80	77	74		79	76	74	73

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

	0°
0°	851641
5°	812006
10°	658529
15°	402534
20°	175883
25°	65814
30°	27288
35°	12768
40°	5925
45°	2861
50°	1612
55°	602
60°	197
65°	233
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.3	33.3
10°-20°	211.2	48.1
20°-30°	63.0	14.3
30°-40°	14.5	3.3
40°-50°	3.6	0.8
50°-60°	0.8	0.2
60°-70°	0.1	0.0
70°-80°	0.0	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°	420.5	95.7
0°-40°	434.9	99.0
0°-60°	439.3	100.0
0°-90°	439.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1726	
5°	1640	146
15°	788	211
25°	121	63
35°	21	14
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1726.2
1°	1722.2
2°	1704.7
3°	1693.0
4°	1671.1
5°	1639.6
6°	1596.5
7°	1545.2
8°	1479.8
9°	1400.1
10°	1314.5
11°	1222.8
12°	1118.8
13°	1006.9
14°	900.5
15°	788.1
16°	679.5
17°	572.4
18°	486.1
19°	402.2
20°	335.0
21°	271.5
22.5°	201.2
23°	181.4
24°	148.5
25°	120.9
26°	99.2
27°	82.7
28°	68.2
29°	57.1
30°	47.9
32.5°	31.3
35°	21.2
37.5°	14.0
40°	9.2
42.5°	6.0
45°	4.1
47.5°	3.0
50°	2.1
52.5°	1.4
55°	0.7
57.5°	0.5
60°	0.2
62.5°	0.2
65°	0.2



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CATALOG NUMBER: LDA2B059727R30D010 2LBPIN1H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)