

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: P499570

Luminaire Tested: **LDA2B159727R20D010 2LBD1WHH**

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: P499570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159727R20D010 2LBD1WHH  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

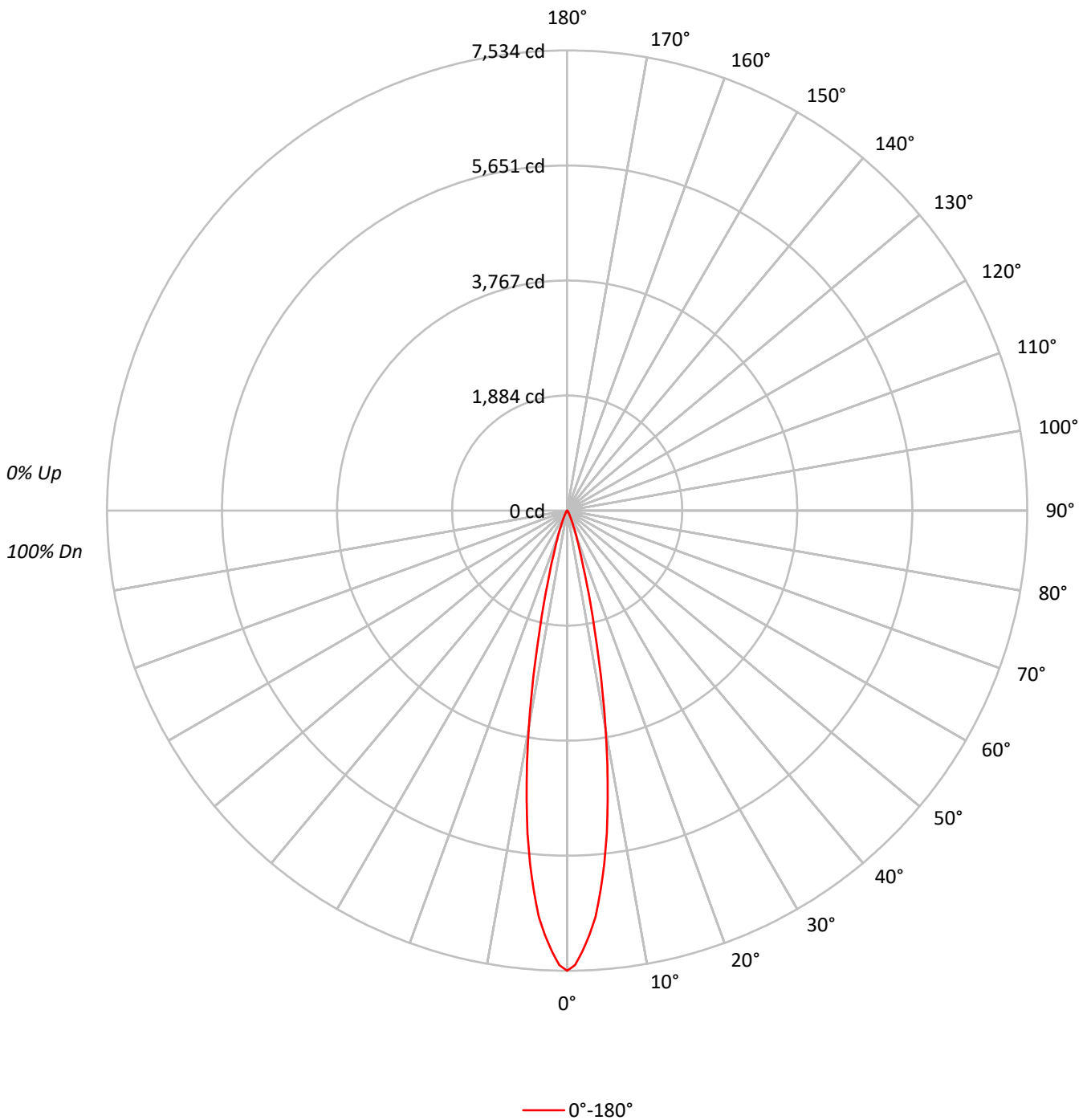
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1002.9 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32  
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

TEST NUMBER: P499570  
CATALOG NUMBER: LDA2B159727R20D010 2LBD1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P499570

CATALOG NUMBER: LDA2B159727R20D010 2LBD1WHH

**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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81

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

	0°
0°	3716938
5°	3096874
10°	1816226
15°	636159
20°	214105
25°	82526
30°	37884
35°	16804
40°	8179
45°	4744
50°	2610
55°	860
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P499570

CATALOG NUMBER: LDA2B159727R20D010 2LBD1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.6	51.0
10°-20°	384.2	38.3
20°-30°	80.7	8.0
30°-40°	19.4	1.9
40°-50°	5.5	0.6
50°-60°	1.2	0.1
60°-70°	0.3	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°	976.5	97.4
0°-40°	995.9	99.3
0°-60°	1002.6	100.0
0°-90°	1002.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7534	
5°	6253	512
15°	1246	384
25°	152	81
35°	28	19
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499570

CATALOG NUMBER: LDA2B159727R20D010 2LBD1WHH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7533.9
1°	7442.0
2°	7217.0
3°	6957.9
4°	6667.9
5°	6253.2
6°	5813.1
7°	5324.6
8°	4766.7
9°	4203.4
10°	3625.4
11°	3030.8
12°	2507.1
13°	1996.1
14°	1588.7
15°	1245.5
16°	977.0
17°	770.7
18°	619.6
19°	502.2
20°	407.8
22.5°	247.4
25°	151.6
27.5°	99.3
30°	66.5
32.5°	40.6
35°	27.9
37.5°	19.1
40°	12.7
42.5°	9.3
45°	6.8
47.5°	4.9
50°	3.4
52.5°	2.0
55°	1.0
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P499570

CATALOG NUMBER: LDA2B159727R20D010 2LBD1WHH

**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)