

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: P498581

Luminaire Tested: **LDA2B159027R35D010 2LBDL1GPH**

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: P498581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159027R35D010 2LBDL1GPH  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

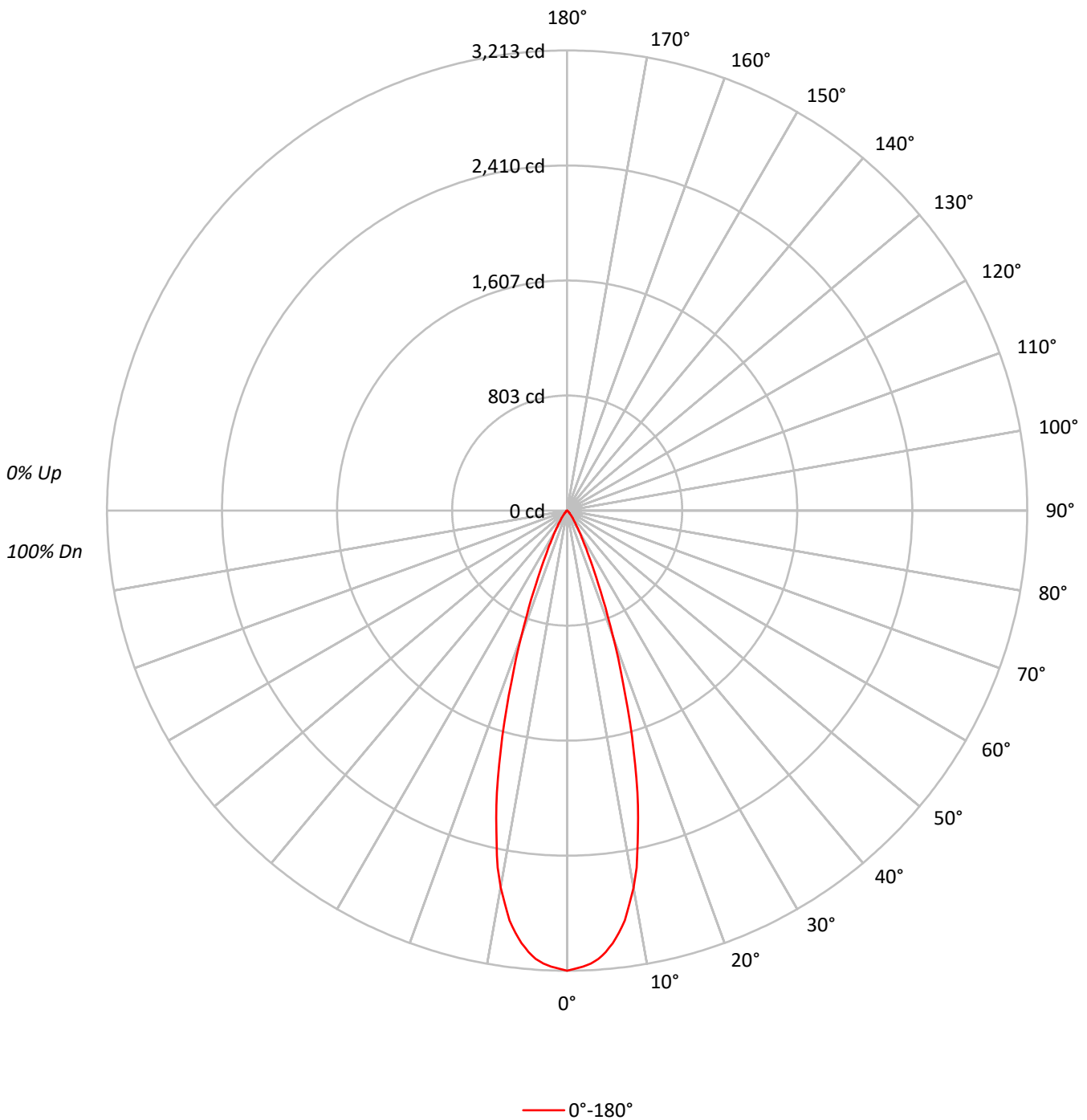
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1038.6 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51  
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: P498581  
CATALOG NUMBER: LDA2B159027R35D010 2LBDL1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P498581

CATALOG NUMBER: LDA2B159027R35D010 2LBDL1GPH

**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	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69

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

	0°
0°	1585122
5°	1532540
10°	1339250
15°	936285
20°	491633
25°	211213
30°	96619
35°	46797
40°	23829
45°	12140
50°	6678
55°	2838
60°	1085
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498581

CATALOG NUMBER: LDA2B159027R35D010 2LBDL1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.1	27.2
10°-20°	489.2	47.1
20°-30°	195.2	18.8
30°-40°	53.2	5.1
40°-50°	14.8	1.4
50°-60°	3.5	0.3
60°-70°	0.7	0.1
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°	966.5	93.1
0°-40°	1019.7	98.2
0°-60°	1037.9	99.9
0°-90°	1038.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3213	
5°	3094	282
15°	1833	489
25°	388	195
35°	78	53
45°	17	15
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498581

CATALOG NUMBER: LDA2B159027R35D010 2LBDL1GPH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3212.9
1°	3199.4
2°	3186.3
3°	3166.8
4°	3137.4
5°	3094.5
6°	3038.5
7°	2968.9
8°	2889.6
9°	2779.8
10°	2673.3
11°	2541.2
12°	2372.2
13°	2202.1
14°	2028.7
15°	1833.1
16°	1640.7
17°	1442.9
18°	1265.2
19°	1097.3
20°	936.4
21°	788.6
22.5°	611.4
23°	554.3
24°	465.2
25°	388.0
26°	326.6
27°	272.8
28°	231.0
29°	196.7
30°	169.6
32.5°	113.6
35°	77.7
37.5°	54.3
40°	37.0
42.5°	25.0
45°	17.4
47.5°	12.5
50°	8.7
52.5°	6.0
55°	3.3
57.5°	1.6
60°	1.1
62.5°	1.1
65°	0.5



TEST NUMBER: P498581

CATALOG NUMBER: LDA2B159027R35D010 2LBDL1GPH

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
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)