

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: P498156

Luminaire Tested: **LDA2B158050R35D010 2LBDL1WHH**

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: P498156  
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: LDA2B158050R35D010 2LBDL1WHH  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

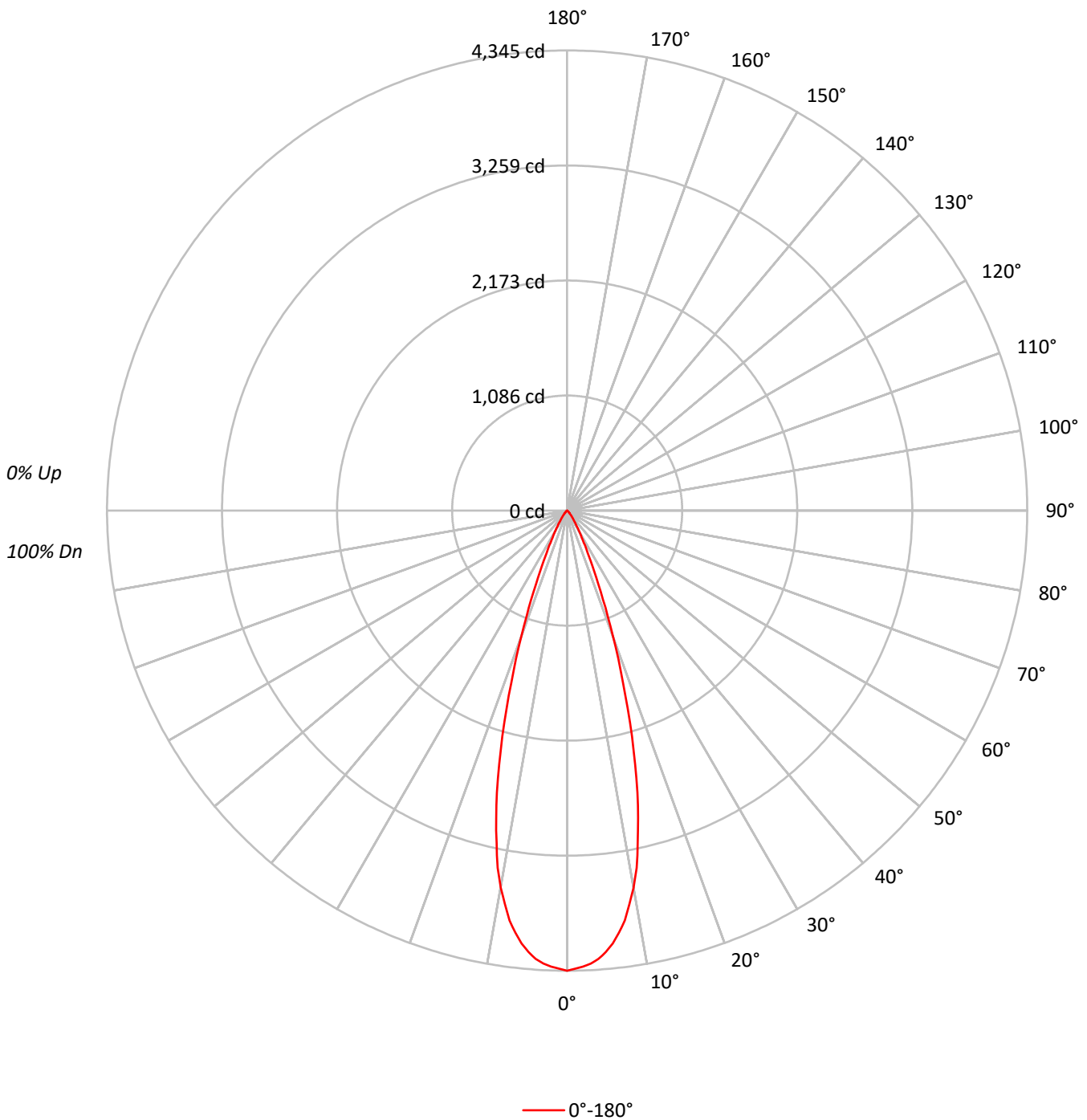
Lumens per Lamp: N/A  
Luminaire Lumens: 1404.6 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P498156

CATALOG NUMBER: LDA2B158050R35D010 2LBDL1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P498156

CATALOG NUMBER: LDA2B158050R35D010 2LBDL1WHH

**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°	2143756
5°	2072606
10°	1811217
15°	1266239
20°	664891
25°	285682
30°	130629
35°	63300
40°	32202
45°	16396
50°	9057
55°	3785
60°	1480
65°	817
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498156

CATALOG NUMBER: LDA2B158050R35D010 2LBDL1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.5	27.2
10°-20°	661.6	47.1
20°-30°	264.0	18.8
30°-40°	72.0	5.1
40°-50°	20.0	1.4
50°-60°	4.7	0.3
60°-70°	0.9	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°	1307.0	93.1
0°-40°	1379.0	98.2
0°-60°	1403.7	99.9
0°-90°	1404.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4345	
5°	4185	381
15°	2479	662
25°	525	264
35°	105	72
45°	24	20
55°	4	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498156

CATALOG NUMBER: LDA2B158050R35D010 2LBDL1WHH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4345.2
1°	4326.8
2°	4309.2
3°	4282.7
4°	4243.0
5°	4185.0
6°	4109.3
7°	4015.2
8°	3907.9
9°	3759.4
10°	3615.4
11°	3436.8
12°	3208.2
13°	2978.1
14°	2743.7
15°	2479.1
16°	2218.9
17°	1951.4
18°	1711.0
19°	1483.9
20°	1266.4
21°	1066.5
22.5°	826.9
23°	749.7
24°	629.1
25°	524.8
26°	441.7
27°	369.0
28°	312.4
29°	266.1
30°	229.3
32.5°	153.6
35°	105.1
37.5°	73.5
40°	50.0
42.5°	33.8
45°	23.5
47.5°	16.9
50°	11.8
52.5°	8.1
55°	4.4
57.5°	2.2
60°	1.5
62.5°	1.5
65°	0.7



TEST NUMBER: P498156

CATALOG NUMBER: LDA2B158050R35D010 2LBDL1WHH

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
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)