

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: P497905

Luminaire Tested: **LDA2B158040R30D010 2LBDLC1MW**

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: P497905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158040R30D010 2LBDLC1MW  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

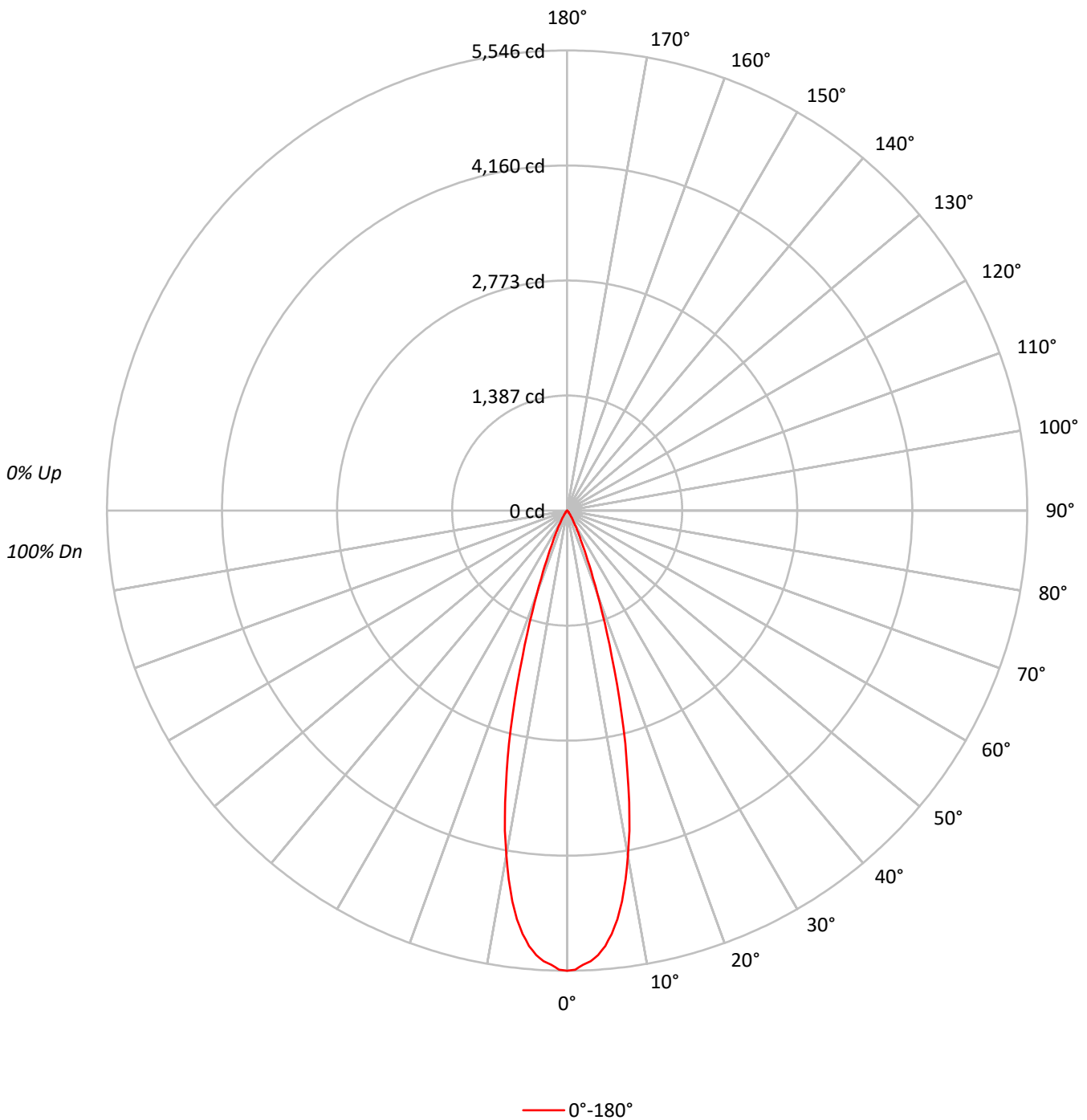
Lumens per Lamp: N/A  
Luminaire Lumens: 1412.0 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P497905

CATALOG NUMBER: LDA2B158040R30D010 2LBDLC1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P497905

CATALOG NUMBER: LDA2B158040R30D010 2LBDLC1MW

**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°	2736332
5°	2609007
10°	2115858
15°	1293412
20°	565137
25°	211431
30°	87675
35°	41016
40°	19064
45°	9280
50°	5142
55°	1892
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P497905

CATALOG NUMBER: LDA2B158040R30D010 2LBDLC1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.9	33.3
10°-20°	678.5	48.1
20°-30°	202.5	14.3
30°-40°	46.5	3.3
40°-50°	11.4	0.8
50°-60°	2.6	0.2
60°-70°	0.4	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
<hr/>		
0°-30°	1351.0	95.7
0°-40°	1397.5	99.0
0°-60°	1411.5	100.0
0°-90°	1412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5546	
5°	5268	470
15°	2532	679
25°	388	203
35°	68	47
45°	13	11
55°	2	3
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497905

CATALOG NUMBER: LDA2B158040R30D010 2LBDLC1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5546.3
1°	5533.7
2°	5477.5
3°	5439.8
4°	5369.5
5°	5268.1
6°	5129.8
7°	4964.8
8°	4754.7
9°	4498.7
10°	4223.5
11°	3929.1
12°	3594.7
13°	3235.1
14°	2893.4
15°	2532.3
16°	2183.2
17°	1839.1
18°	1561.7
19°	1292.4
20°	1076.4
21°	872.2
22.5°	646.6
23°	583.0
24°	477.2
25°	388.4
26°	318.9
27°	265.6
28°	219.0
29°	183.5
30°	153.9
32.5°	100.6
35°	68.1
37.5°	45.1
40°	29.6
42.5°	19.2
45°	13.3
47.5°	9.6
50°	6.7
52.5°	4.4
55°	2.2
57.5°	1.5
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P497905

CATALOG NUMBER: LDA2B158040R30D010 2LBDLC1MW

**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)