

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: P497908

Luminaire Tested: **LDA2B158040R35D010 2LBD1B**

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: P497908  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158040R35D010 2LBD1B  
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

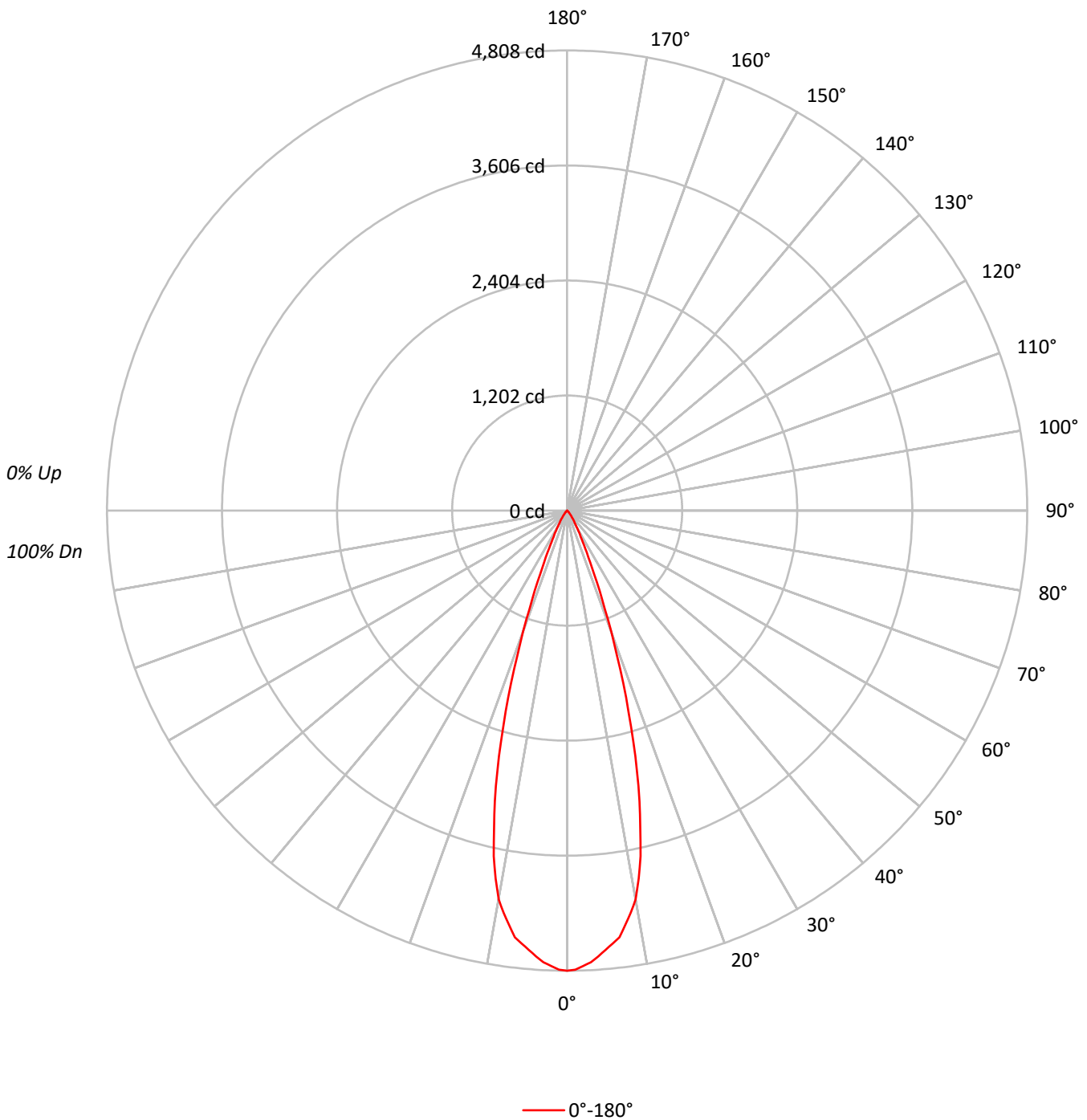
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1509.4 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P497908  
CATALOG NUMBER: LDA2B158040R35D010 2LBD1B

### Luminous Intensity Polar Plot





TEST NUMBER: P497908

CATALOG NUMBER: LDA2B158040R35D010 2LBD1B

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

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

	0°
0°	2372083
5°	2281848
10°	2066562
15°	1438521
20°	704951
25°	262982
30°	115475
35°	56133
40°	25697
45°	13954
50°	6831
55°	1892
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P497908

CATALOG NUMBER: LDA2B158040R35D010 2LBD1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.7	28.2
10°-20°	746.2	49.4
20°-30°	254.3	16.8
30°-40°	63.2	4.2
40°-50°	16.3	1.1
50°-60°	3.0	0.2
60°-70°	0.6	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°	1426.2	94.5
0°-40°	1489.5	98.7
0°-60°	1508.8	100.0
0°-90°	1509.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4808	
5°	4608	426
15°	2816	746
25°	483	254
35°	93	63
45°	20	16
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497908

CATALOG NUMBER: LDA2B158040R35D010 2LBD1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4808.0
1°	4798.4
2°	4761.4
3°	4725.9
4°	4668.9
5°	4607.5
6°	4547.6
7°	4491.3
8°	4370.0
9°	4252.4
10°	4125.1
11°	3916.5
12°	3690.1
13°	3398.7
14°	3128.6
15°	2816.4
16°	2511.6
17°	2194.3
18°	1897.6
19°	1597.2
20°	1342.7
21°	1100.1
22.5°	807.1
23°	725.0
24°	591.8
25°	483.1
26°	399.5
27°	333.7
28°	281.1
29°	237.5
30°	202.7
32.5°	137.6
35°	93.2
37.5°	62.9
40°	39.9
42.5°	27.4
45°	20.0
47.5°	14.1
50°	8.9
52.5°	5.2
55°	2.2
57.5°	1.5
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P497908

CATALOG NUMBER: LDA2B158040R35D010 2LBD1B

**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)