

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: P498031

Luminaire Tested: **LDA2B158040R70D010 2LBDL1LI**

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: P498031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158040R70D010 2LBDL1LI  
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**

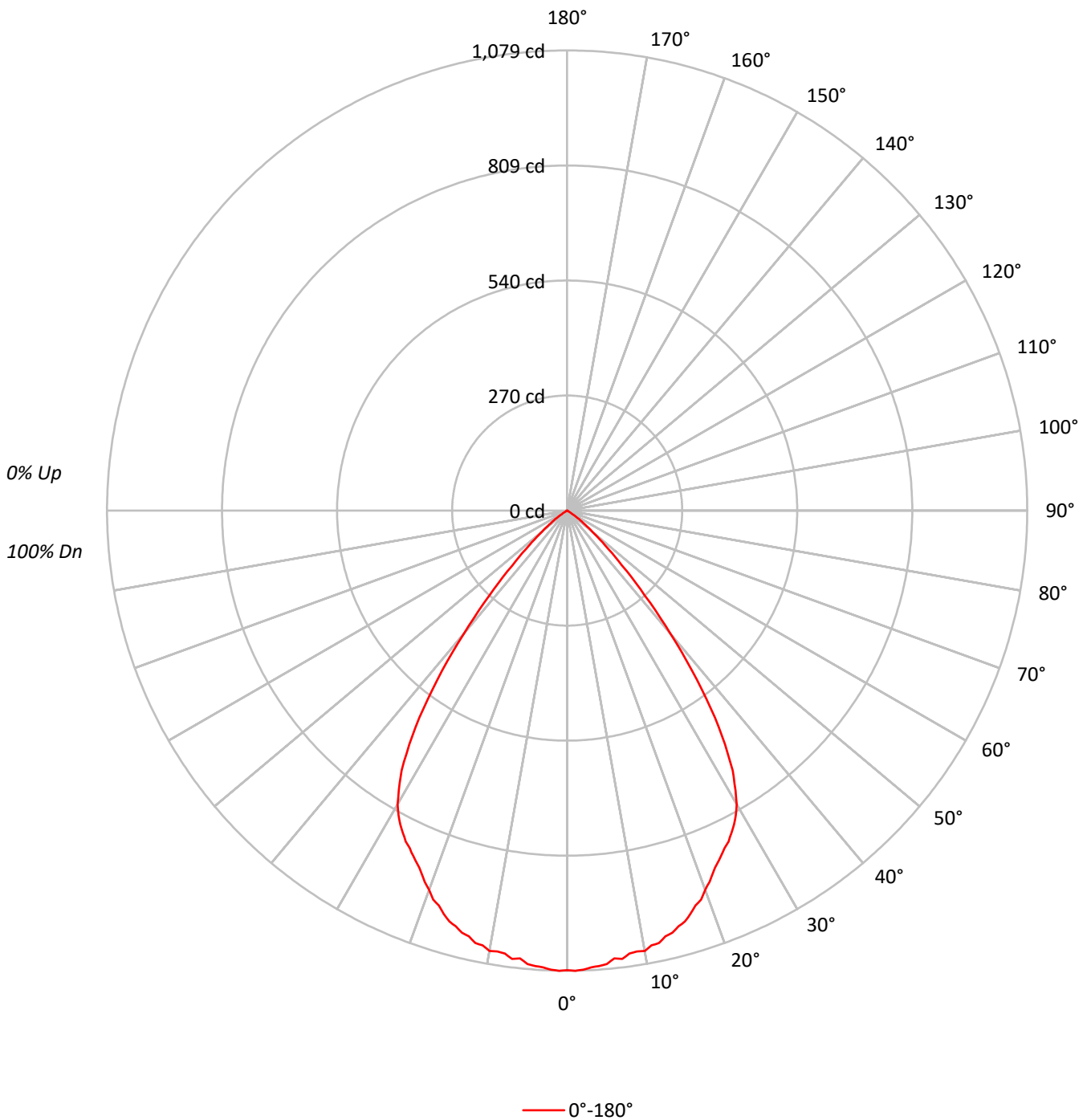
Lumens per Lamp: N/A  
Luminaire Lumens: 1343.1 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P498031

CATALOG NUMBER: LDA2B158040R70D010 2LBDL1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P498031

CATALOG NUMBER: LDA2B158040R70D010 2LBDL1LI

**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	113	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63		71	66	63		70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58		66	61	58		65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57	53	49	48
10	68	57	51	47	66	57	50	46	56	50	46		55	50	46		54	49	46	45

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

	0°
0°	531795
5°	528675
10°	525170
15°	515414
20°	496778
25°	475611
30°	453071
35°	373837
40°	242996
45°	126985
50°	59023
55°	21676
60°	2171
65°	1751
70°	1010
75°	1334
80°	0
85°	0



TEST NUMBER: P498031

CATALOG NUMBER: LDA2B158040R70D010 2LBDL1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	7.5
10°-20°	283.6	21.1
20°-30°	402.5	30.0
30°-40°	376.4	28.0
40°-50°	151.4	11.3
50°-60°	26.5	2.0
60°-70°	1.3	0.1
70°-80°	0.6	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°	787.0	58.6
0°-40°	1163.4	86.6
0°-60°	1341.2	99.9
0°-90°	1343.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1078	
5°	1068	101
15°	1009	284
25°	874	402
35°	621	376
45°	182	151
55°	25	26
65°	2	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P498031

CATALOG NUMBER: LDA2B158040R70D010 2LBDL1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1077.9
1°	1079.4
2°	1077.2
3°	1072.7
4°	1070.5
5°	1067.5
6°	1055.7
7°	1059.4
8°	1049.0
9°	1046.8
10°	1048.3
11°	1038.7
12°	1036.5
13°	1024.6
14°	1020.2
15°	1009.1
16°	1002.4
17°	989.1
18°	973.6
19°	964.7
20°	946.2
21°	932.2
22.5°	906.3
23°	899.6
24°	887.0
25°	873.7
26°	863.3
27°	848.6
28°	833.8
29°	816.0
30°	795.3
32.5°	722.8
35°	620.7
37.5°	500.1
40°	377.3
42.5°	269.3
45°	182.0
47.5°	119.8
50°	76.9
52.5°	48.1
55°	25.2
57.5°	8.1
60°	2.2
62.5°	1.5
65°	1.5



TEST NUMBER: P498031

CATALOG NUMBER: LDA2B158040R70D010 2LBDL1LI

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)