

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: P499330

Luminaire Tested: **LDA2B159040R70D010 2LBDL1MW**

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: P499330  
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: LDA2B159040R70D010 2LBDL1MW  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

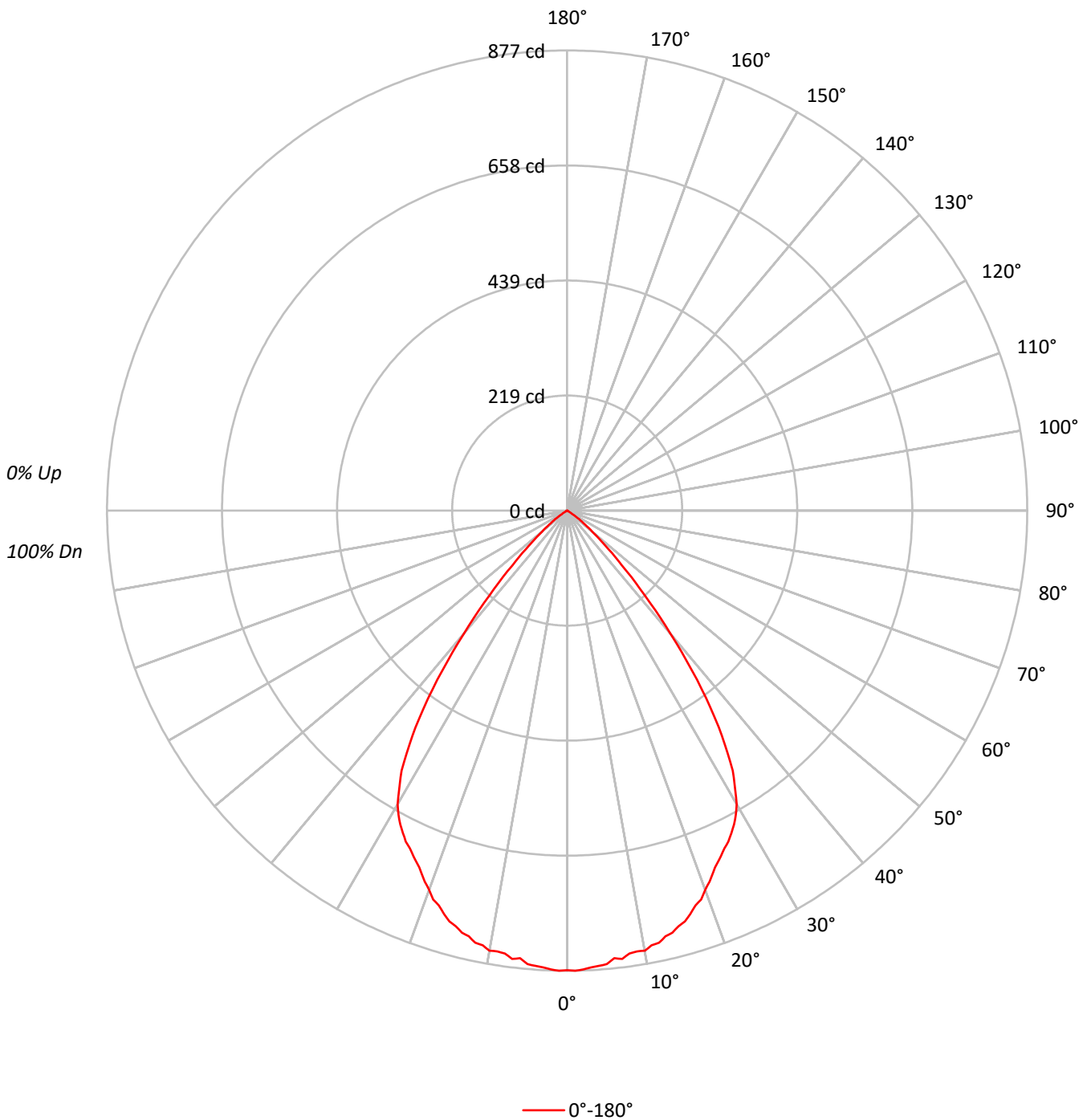
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1091.4 lumens  
Efficiency: N/A  
Efficacy: 77.4 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: P499330  
CATALOG NUMBER: LDA2B159040R70D010 2LBDL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P499330

CATALOG NUMBER: LDA2B159040R70D010 2LBDL1MW

**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	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

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

	0°
0°	432136
5°	429626
10°	426729
15°	418828
20°	403691
25°	386499
30°	368131
35°	303792
40°	197462
45°	103193
50°	47971
55°	17547
60°	1776
65°	1401
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P499330

CATALOG NUMBER: LDA2B159040R70D010 2LBDL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.0	7.5
10°-20°	230.4	21.1
20°-30°	327.0	30.0
30°-40°	305.8	28.0
40°-50°	123.0	11.3
50°-60°	21.5	2.0
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	639.5	58.6
0°-40°	945.4	86.6
0°-60°	1089.9	99.9
0°-90°	1091.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	876	
5°	868	82
15°	820	230
25°	710	327
35°	504	306
45°	148	123
55°	20	21
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P499330

CATALOG NUMBER: LDA2B159040R70D010 2LBDL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	875.9
1°	877.1
2°	875.3
3°	871.7
4°	869.9
5°	867.5
6°	857.8
7°	860.8
8°	852.4
9°	850.6
10°	851.8
11°	844.0
12°	842.2
13°	832.6
14°	829.0
15°	820.0
16°	814.6
17°	803.7
18°	791.1
19°	783.9
20°	768.9
21°	757.4
22.5°	736.4
23°	731.0
24°	720.8
25°	710.0
26°	701.5
27°	689.5
28°	677.5
29°	663.1
30°	646.2
32.5°	587.3
35°	504.4
37.5°	406.4
40°	306.6
42.5°	218.8
45°	147.9
47.5°	97.4
50°	62.5
52.5°	39.1
55°	20.4
57.5°	6.6
60°	1.8
62.5°	1.2
65°	1.2



TEST NUMBER: P499330

CATALOG NUMBER: LDA2B159040R70D010 2LBDL1MW

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)