

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: P499535

Luminaire Tested: **LDA2B159050R70D010 2LBD1MMS**

Issue Date: 3/8/2021

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: P499535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159050R70D010 2LBD1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

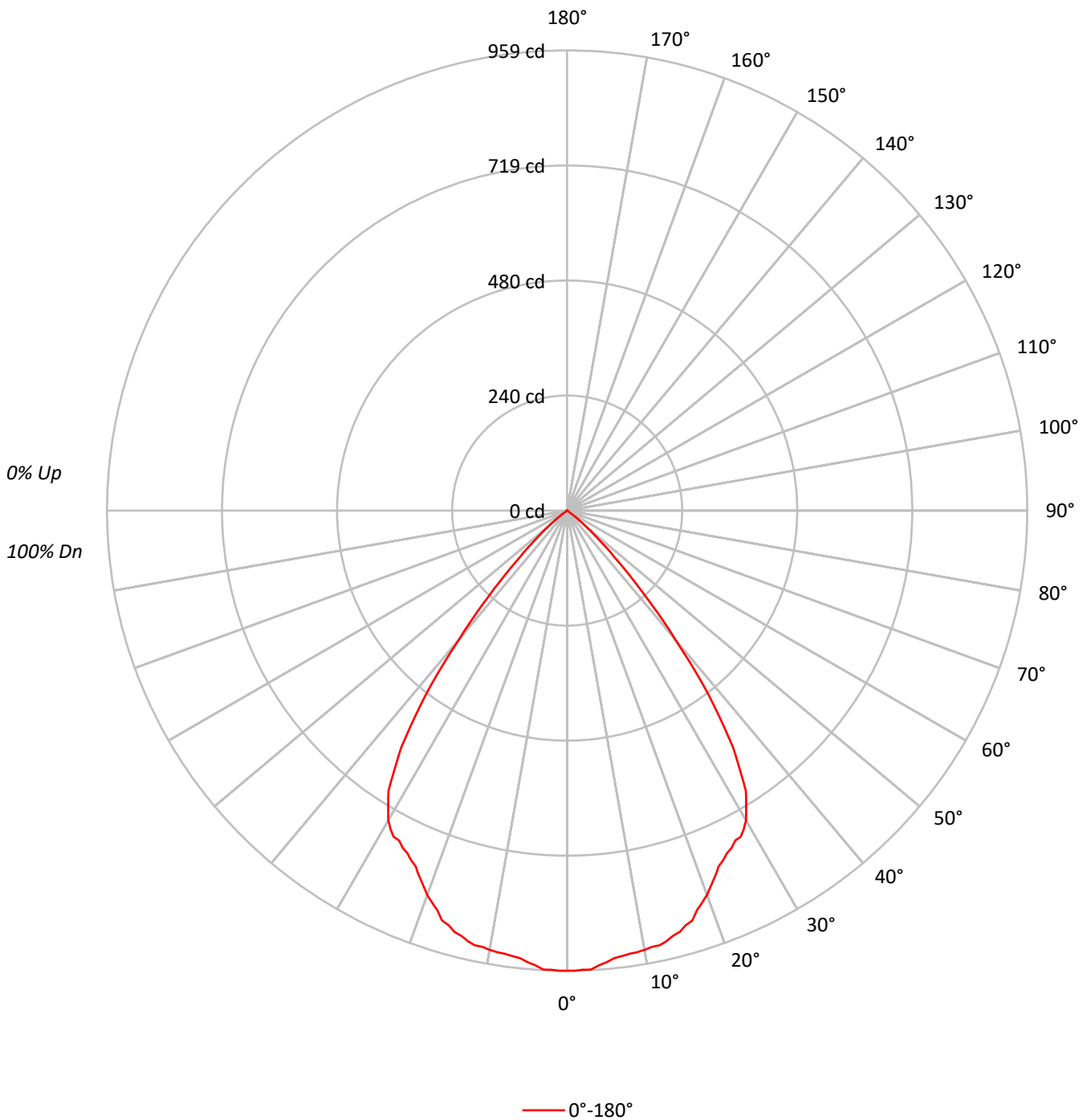
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1211.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
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: P499535  
CATALOG NUMBER: LDA2B159050R70D010 2LBD1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P499535

CATALOG NUMBER: LDA2B159050R70D010 2LBD1MMS

**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	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

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

	0°
0°	473183
5°	467958
10°	465654
15°	464031
20°	447479
25°	428959
30°	424643
35°	362695
40°	226315
45°	104728
50°	37916
55°	2666
60°	1184
65°	1401
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P499535

CATALOG NUMBER: LDA2B159050R70D010 2LBD1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.6	7.4
10°-20°	254.4	21.0
20°-30°	365.9	30.2
30°-40°	360.6	29.8
40°-50°	128.5	10.6
50°-60°	10.6	0.9
60°-70°	1.0	0.1
70°-80°	0.4	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°	709.9	58.6
0°-40°	1070.6	88.4
0°-60°	1209.7	99.9
0°-90°	1211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	959	
5°	945	90
15°	908	254
25°	788	366
35°	602	361
45°	150	129
55°	3	11
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P499535

CATALOG NUMBER: LDA2B159050R70D010 2LBD1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	959.1
1°	959.1
2°	957.3
3°	957.9
4°	949.9
5°	944.9
6°	938.1
7°	935.6
8°	932.6
9°	931.9
10°	929.5
11°	926.4
12°	926.4
13°	920.8
14°	913.4
15°	908.5
16°	898.6
17°	893.0
18°	875.7
19°	864.0
20°	852.3
21°	836.8
22.5°	815.2
23°	806.6
24°	798.5
25°	788.0
26°	781.9
27°	771.4
28°	770.1
29°	759.0
30°	745.4
32.5°	692.9
35°	602.2
37.5°	484.2
40°	351.4
42.5°	240.2
45°	150.1
47.5°	89.6
50°	49.4
52.5°	18.5
55°	3.1
57.5°	1.9
60°	1.2
62.5°	1.2
65°	1.2



TEST NUMBER: P499535

CATALOG NUMBER: LDA2B159050R70D010 2LBD1MMS

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)