

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: P499090

Luminaire Tested: **LDA2B159035R65D010 2LBDL1MMS**

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: P499090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159035R65D010 2LBDL1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

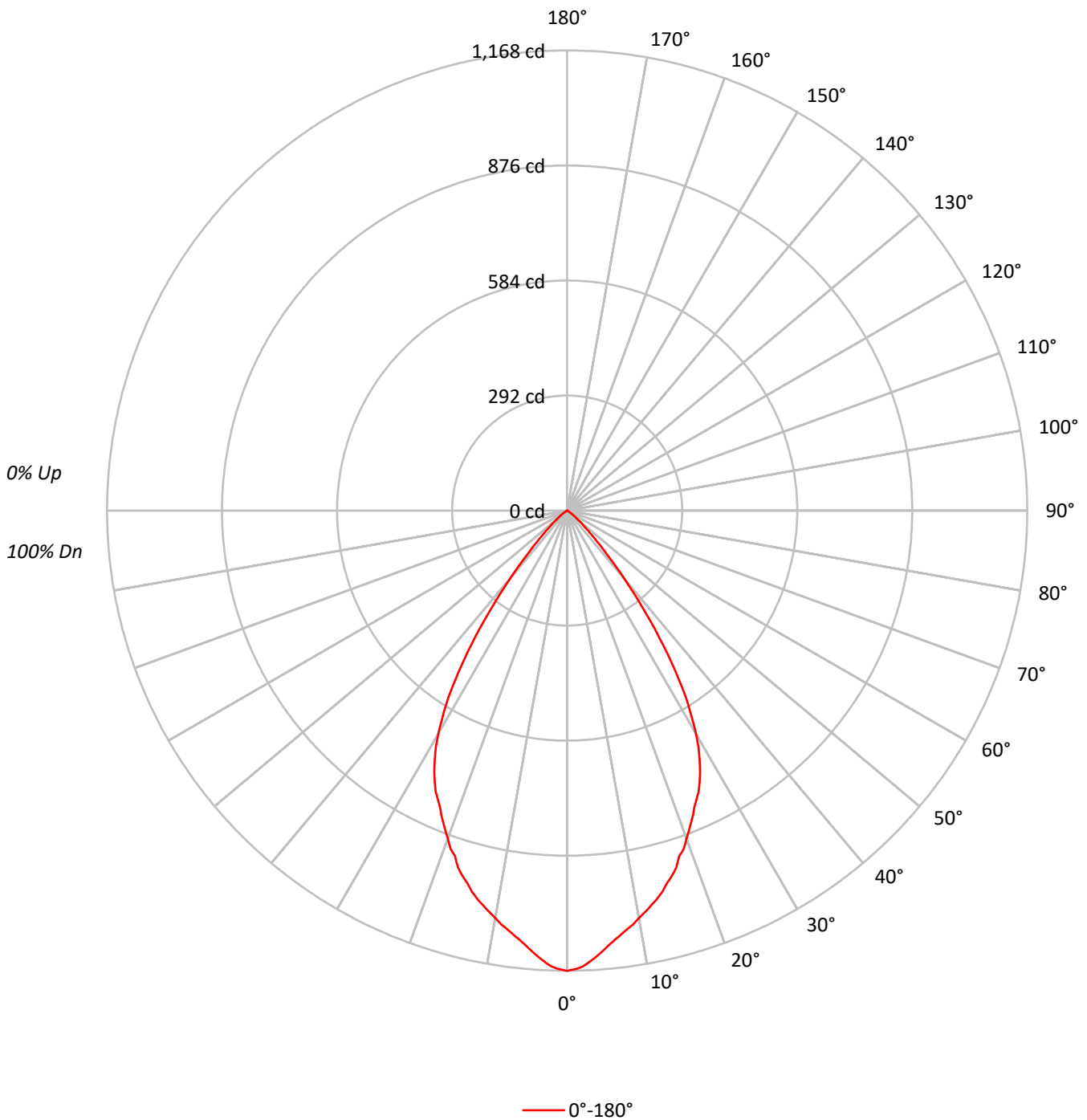
Lumens per Lamp: N/A  
Luminaire Lumens: 1101.8 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P499090

CATALOG NUMBER: LDA2B159035R65D010 2LBDL1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P499090

CATALOG NUMBER: LDA2B159035R65D010 2LBDL1MMS

**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	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	57	54		62	57	54		61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50		59	54	50		58	53	50	49

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

	0°
0°	576444
5°	552447
10°	526071
15°	499989
20°	465119
25°	429395
30°	372574
35°	267293
40°	145166
45°	62027
50°	26633
55°	9634
60°	1776
65°	1401
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P499090

CATALOG NUMBER: LDA2B159035R65D010 2LBDL1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.4	9.5
10°-20°	274.2	24.9
20°-30°	358.5	32.5
30°-40°	272.7	24.8
40°-50°	78.8	7.2
50°-60°	11.9	1.1
60°-70°	1.0	0.1
70°-80°	0.2	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°	737.1	66.9
0°-40°	1009.9	91.7
0°-60°	1100.6	99.9
0°-90°	1101.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1168	
5°	1116	104
15°	979	274
25°	789	359
35°	444	273
45°	89	79
55°	11	12
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499090

CATALOG NUMBER: LDA2B159035R65D010 2LBDL1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1168.4
1°	1164.3
2°	1157.8
3°	1144.9
4°	1130.8
5°	1115.5
6°	1100.7
7°	1087.8
8°	1075.4
9°	1064.2
10°	1050.1
11°	1037.8
12°	1024.8
13°	1011.9
14°	997.7
15°	978.9
16°	964.8
17°	947.7
18°	921.8
19°	908.3
20°	885.9
21°	865.9
22.5°	835.3
23°	823.5
24°	805.2
25°	788.8
26°	767.0
27°	742.9
28°	716.4
29°	688.1
30°	654.0
32.5°	560.4
35°	443.8
37.5°	327.3
40°	225.4
42.5°	143.0
45°	88.9
47.5°	55.3
50°	34.7
52.5°	20.6
55°	11.2
57.5°	4.1
60°	1.8
62.5°	1.2
65°	1.2



TEST NUMBER: P499090

CATALOG NUMBER: LDA2B159035R65D010 2LBDL1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
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)