

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: P498161

Luminaire Tested: **LDA2B158050R35D010 2LBDLC1MMS**

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: P498161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158050R35D010 2LBDLC1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

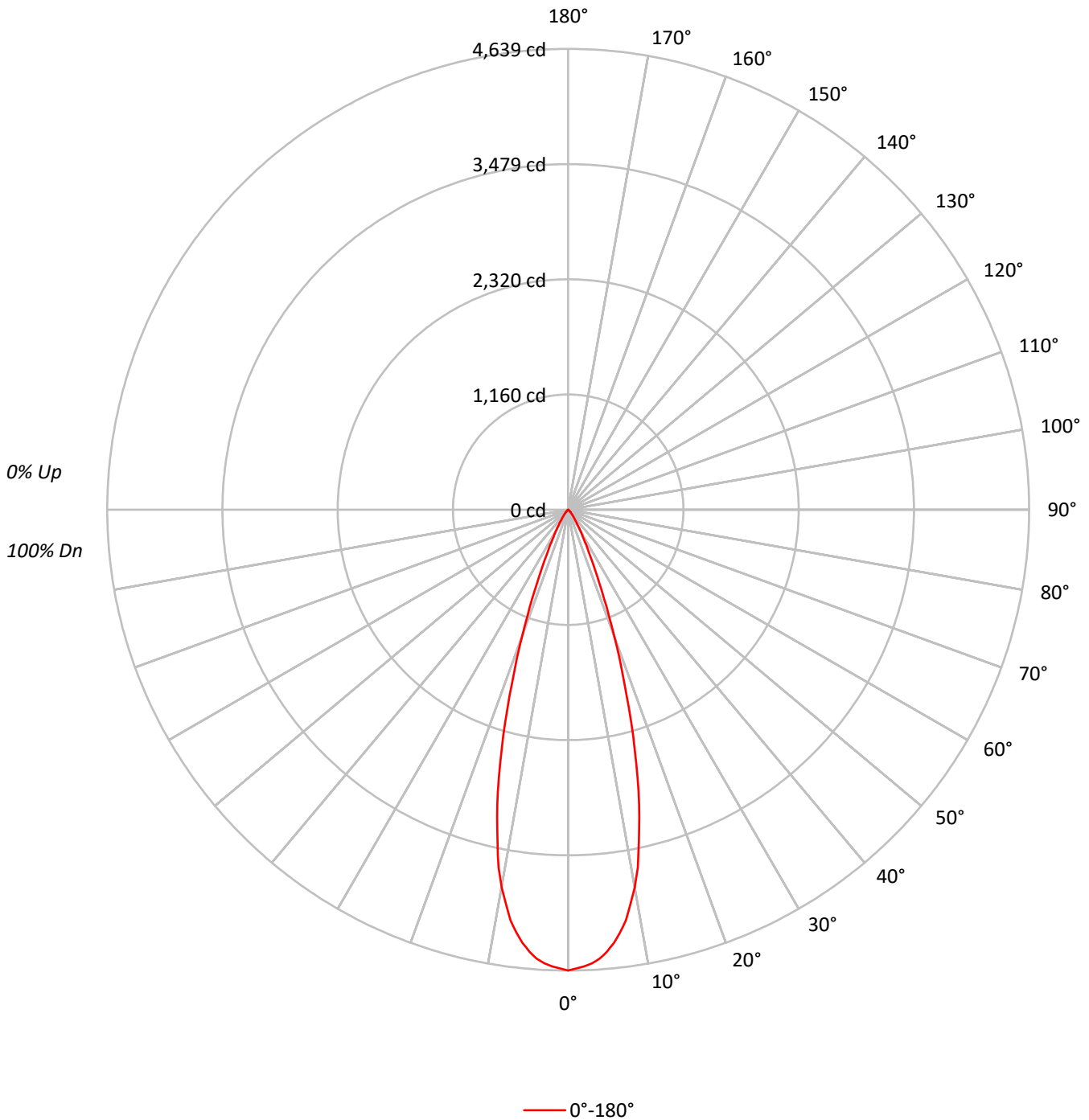
Lumens per Lamp: N/A  
Luminaire Lumens: 1499.6 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P498161

CATALOG NUMBER: LDA2B158050R35D010 2LBDLC1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P498161

CATALOG NUMBER: LDA2B158050R35D010 2LBDLC1MMS

**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	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78		84	80	78		83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70		76	73	70		76	72	70	69

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

	0°
0°	2288705
5°	2212761
10°	1933654
15°	1351844
20°	709833
25°	305007
30°	139459
35°	67576
40°	34392
45°	17513
50°	9671
55°	4043
60°	1579
65°	934
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498161

CATALOG NUMBER: LDA2B158050R35D010 2LBDLC1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.3	27.2
10°-20°	706.3	47.1
20°-30°	281.9	18.8
30°-40°	76.9	5.1
40°-50°	21.3	1.4
50°-60°	5.0	0.3
60°-70°	1.0	0.1
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°	1395.4	93.1
0°-40°	1472.3	98.2
0°-60°	1498.6	99.9
0°-90°	1499.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4639	
5°	4468	407
15°	2647	706
25°	560	282
35°	112	77
45°	25	21
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498161

CATALOG NUMBER: LDA2B158050R35D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4639.0
1°	4619.4
2°	4600.6
3°	4572.3
4°	4530.0
5°	4468.0
6°	4387.1
7°	4286.7
8°	4172.1
9°	4013.6
10°	3859.8
11°	3669.2
12°	3425.1
13°	3179.5
14°	2929.2
15°	2646.7
16°	2369.0
17°	2083.3
18°	1826.7
19°	1584.3
20°	1352.0
21°	1138.6
22.5°	882.8
23°	800.4
24°	671.7
25°	560.3
26°	471.6
27°	393.9
28°	333.5
29°	284.1
30°	244.8
32.5°	164.0
35°	112.2
37.5°	78.5
40°	53.4
42.5°	36.1
45°	25.1
47.5°	18.0
50°	12.6
52.5°	8.6
55°	4.7
57.5°	2.4
60°	1.6
62.5°	1.6
65°	0.8



TEST NUMBER: P498161

CATALOG NUMBER: LDA2B158050R35D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
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)