

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: P492489

Luminaire Tested: **LDA2B058050R30D010 2LBDC1MW**

Issue Date: 3/12/2021

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: P492489  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B058050R30D010 2LBDC1MW  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

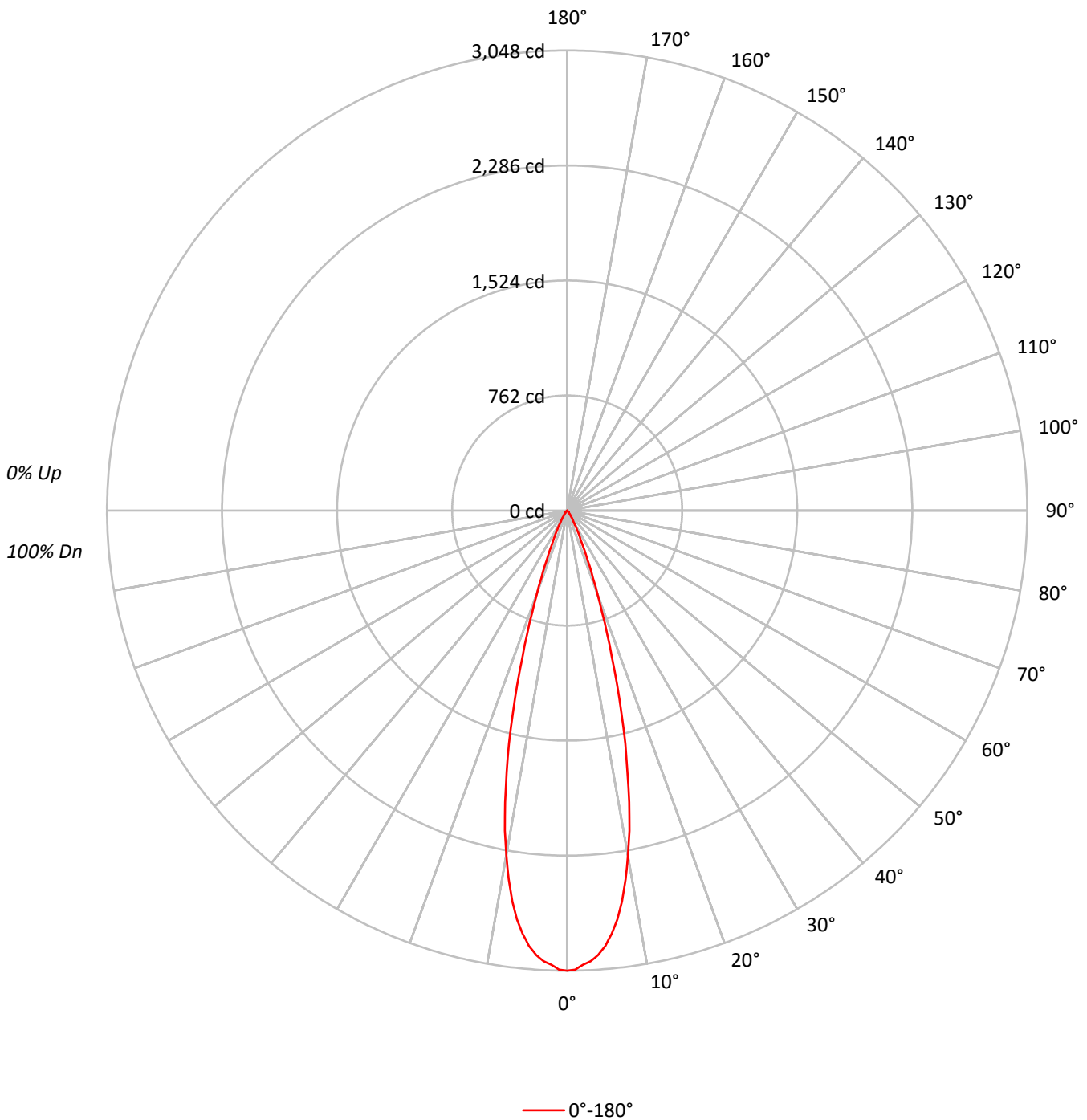
Lumens per Lamp: N/A  
Luminaire Lumens: 776.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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: P492489

CATALOG NUMBER: LDA2B058050R30D010 2LBDC1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P492489

CATALOG NUMBER: LDA2B058050R30D010 2LBDC1MW

**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	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	81	78	77
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73

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

	0°
0°	1503865
5°	1433887
10°	1162858
15°	710833
20°	310605
25°	116222
30°	48195
35°	22525
40°	10498
45°	5093
50°	2840
55°	1032
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P492489

CATALOG NUMBER: LDA2B058050R30D010 2LBDC1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.3	33.3
10°-20°	372.9	48.1
20°-30°	111.3	14.3
30°-40°	25.6	3.3
40°-50°	6.3	0.8
50°-60°	1.4	0.2
60°-70°	0.2	0.0
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°	742.5	95.7
0°-40°	768.0	99.0
0°-60°	775.8	100.0
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3048	
5°	2895	258
15°	1392	373
25°	214	111
35°	37	26
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P492489

CATALOG NUMBER: LDA2B058050R30D010 2LBDC1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3048.2
1°	3041.2
2°	3010.3
3°	2989.6
4°	2951.0
5°	2895.3
6°	2819.2
7°	2728.6
8°	2613.1
9°	2472.4
10°	2321.2
11°	2159.4
12°	1975.6
13°	1778.0
14°	1590.1
15°	1391.7
16°	1199.8
17°	1010.8
18°	858.3
19°	710.3
20°	591.6
21°	479.4
22.5°	355.4
23°	320.4
24°	262.2
25°	213.5
26°	175.2
27°	146.0
28°	120.3
29°	100.8
30°	84.6
32.5°	55.3
35°	37.4
37.5°	24.8
40°	16.3
42.5°	10.6
45°	7.3
47.5°	5.3
50°	3.7
52.5°	2.4
55°	1.2
57.5°	0.8
60°	0.4
62.5°	0.4
65°	0.4



TEST NUMBER: P492489

CATALOG NUMBER: LDA2B058050R30D010 2LBDC1MW

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
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)