

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: P491707

Luminaire Tested: **LDA2B058027R45D010 2LBDLC1MW**

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: P491707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B058027R45D010 2LBDLC1MW  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

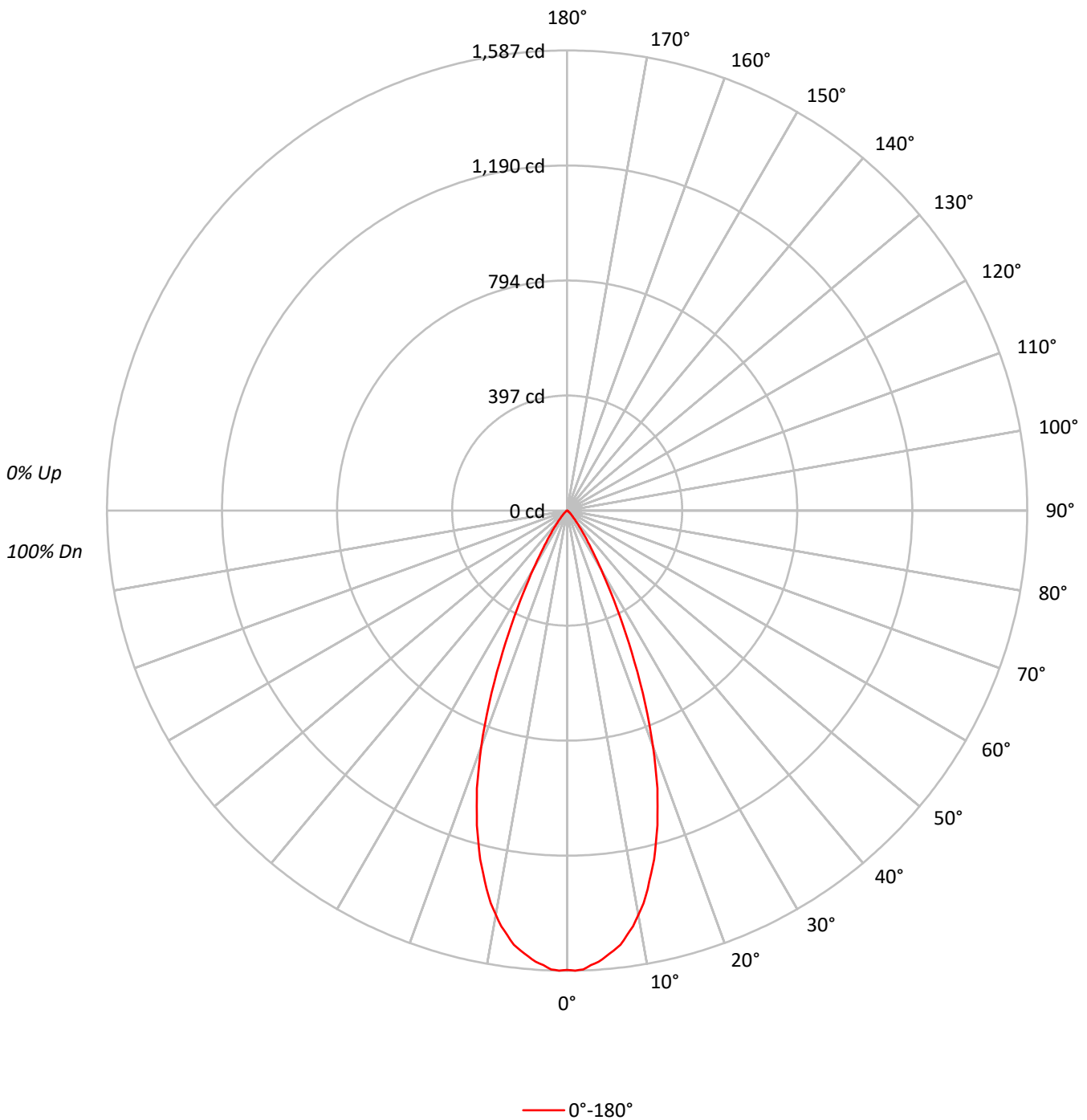
Lumens per Lamp: N/A  
Luminaire Lumens: 788.5 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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

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### Luminous Intensity Polar Plot





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**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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82
5	97	90	85	81	95	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	66	82	74	70	66	74	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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

	0°
0°	781534
5°	764314
10°	709127
15°	604747
20°	455301
25°	274469
30°	132338
35°	59987
40°	27629
45°	14233
50°	7522
55°	2838
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.5	18.2
10°-20°	323.3	41.0
20°-30°	231.0	29.3
30°-40°	69.2	8.8
40°-50°	17.2	2.2
50°-60°	3.6	0.5
60°-70°	0.5	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°	697.8	88.5
0°-40°	767.0	97.3
0°-60°	787.8	99.9
0°-90°	788.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1584	
5°	1543	143
15°	1184	323
25°	504	231
35°	100	69
45°	20	17
55°	3	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1584.1
1°	1587.0
2°	1583.3
3°	1569.8
4°	1560.0
5°	1543.3
6°	1526.5
7°	1508.6
8°	1479.2
9°	1451.4
10°	1415.5
11°	1379.6
12°	1334.2
13°	1285.7
14°	1240.3
15°	1184.0
16°	1128.9
17°	1066.4
18°	1007.2
19°	934.5
20°	867.2
21°	792.5
22.5°	681.0
23°	643.4
24°	570.4
25°	504.2
26°	438.1
27°	377.7
28°	321.3
29°	275.2
30°	232.3
32.5°	152.7
35°	99.6
37.5°	65.3
40°	42.9
42.5°	29.0
45°	20.4
47.5°	14.7
50°	9.8
52.5°	6.1
55°	3.3
57.5°	1.6
60°	0.8
62.5°	0.8
65°	0.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)