

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: P498688

Luminaire Tested: **LDA2B159027R70D010 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: P498688  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159027R70D010 2LBDLC1MW  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

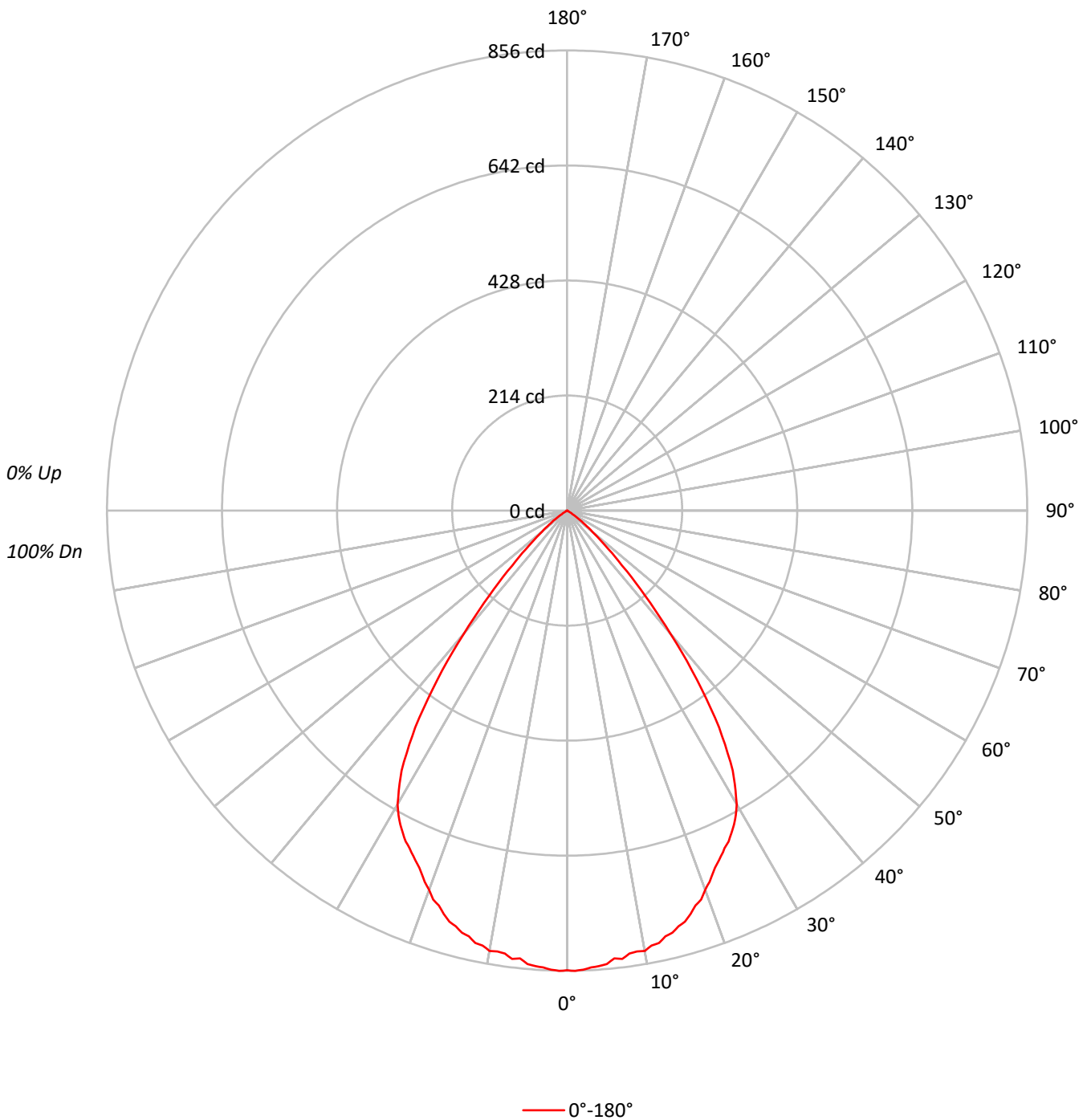
Lumens per Lamp: N/A  
Luminaire Lumens: 1065.8 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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

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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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		81	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63		71	66	63		70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58		66	61	58		65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

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

	0°
0°	421923
5°	419474
10°	416659
15°	408919
20°	394136
25°	377353
30°	359471
35°	296625
40°	192761
45°	100751
50°	46820
55°	17203
60°	1776
65°	1401
70°	865
75°	1144
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.1	7.5
10°-20°	225.0	21.1
20°-30°	319.3	30.0
30°-40°	298.6	28.0
40°-50°	120.1	11.3
50°-60°	21.0	2.0
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	624.4	58.6
0°-40°	923.0	86.6
0°-60°	1064.2	99.9
0°-90°	1065.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	855	
5°	847	80
15°	801	225
25°	693	319
35°	492	299
45°	144	120
55°	20	21
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	855.2
1°	856.4
2°	854.6
3°	851.1
4°	849.3
5°	847.0
6°	837.6
7°	840.5
8°	832.3
9°	830.5
10°	831.7
11°	824.1
12°	822.3
13°	812.9
14°	809.4
15°	800.6
16°	795.3
17°	784.8
18°	772.4
19°	765.4
20°	750.7
21°	739.6
22.5°	719.0
23°	713.7
24°	703.8
25°	693.2
26°	685.0
27°	673.2
28°	661.5
29°	647.4
30°	631.0
32.5°	573.5
35°	492.5
37.5°	396.8
40°	299.3
42.5°	213.7
45°	144.4
47.5°	95.1
50°	61.0
52.5°	38.2
55°	20.0
57.5°	6.5
60°	1.8
62.5°	1.2
65°	1.2



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)