

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: P496265

Luminaire Tested: **LDA2B109035R60D010 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: P496265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B109035R60D010 2LBDLC1MMS  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

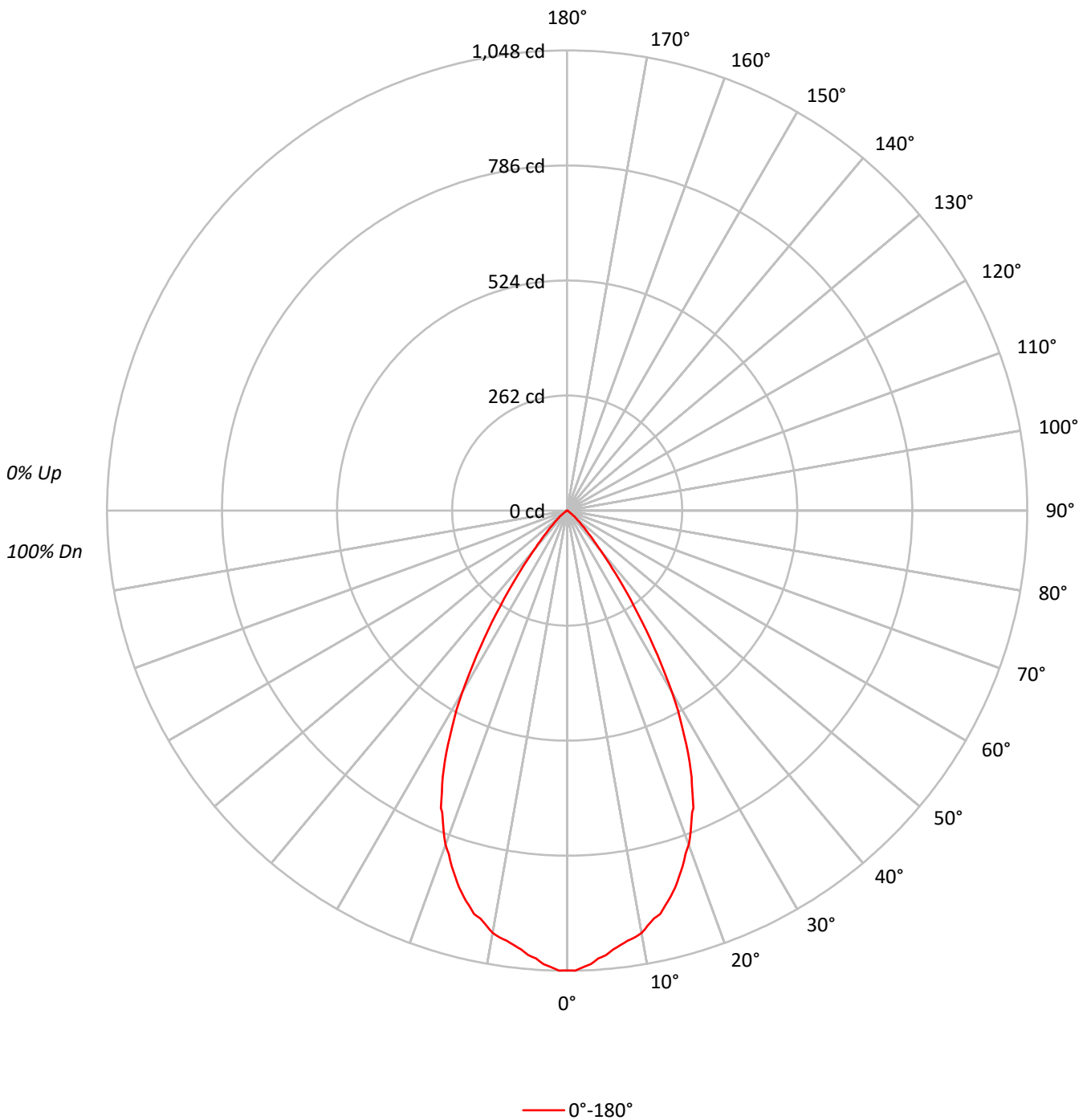
Lumens per Lamp: N/A  
Luminaire Lumens: 873.1 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	90	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	53	52

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

	0°
0°	516747
5°	503269
10°	489400
15°	465154
20°	425007
25°	364942
30°	271569
35°	159424
40°	75996
45°	35444
50°	17653
55°	6193
60°	1381
65°	1167
70°	721
75°	953
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	11.0
10°-20°	253.4	29.0
20°-30°	300.9	34.5
30°-40°	169.8	19.5
40°-50°	44.1	5.1
50°-60°	8.0	0.9
60°-70°	0.9	0.1
70°-80°	0.3	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°	649.9	74.4
0°-40°	819.7	93.9
0°-60°	871.9	99.9
0°-90°	873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1047	
5°	1016	96
15°	911	253
25°	670	301
35°	265	170
45°	51	44
55°	7	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1047.4
1°	1047.9
2°	1040.7
3°	1034.4
4°	1022.5
5°	1016.2
6°	1005.2
7°	997.0
8°	989.4
9°	984.1
10°	976.9
11°	963.0
12°	950.0
13°	942.8
14°	926.1
15°	910.7
16°	893.0
17°	871.9
18°	851.7
19°	827.7
20°	809.5
21°	784.6
22.5°	743.3
23°	736.1
24°	701.1
25°	670.4
26°	636.4
27°	597.1
28°	558.2
29°	520.3
30°	476.7
32.5°	366.9
35°	264.7
37.5°	180.8
40°	118.0
42.5°	77.2
45°	50.8
47.5°	34.5
50°	23.0
52.5°	14.4
55°	7.2
57.5°	2.9
60°	1.4
62.5°	1.0
65°	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)