

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: P496311

Luminaire Tested: **LDA2B109035R70D010 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: P496311
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: LDA2B109035R70D010 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

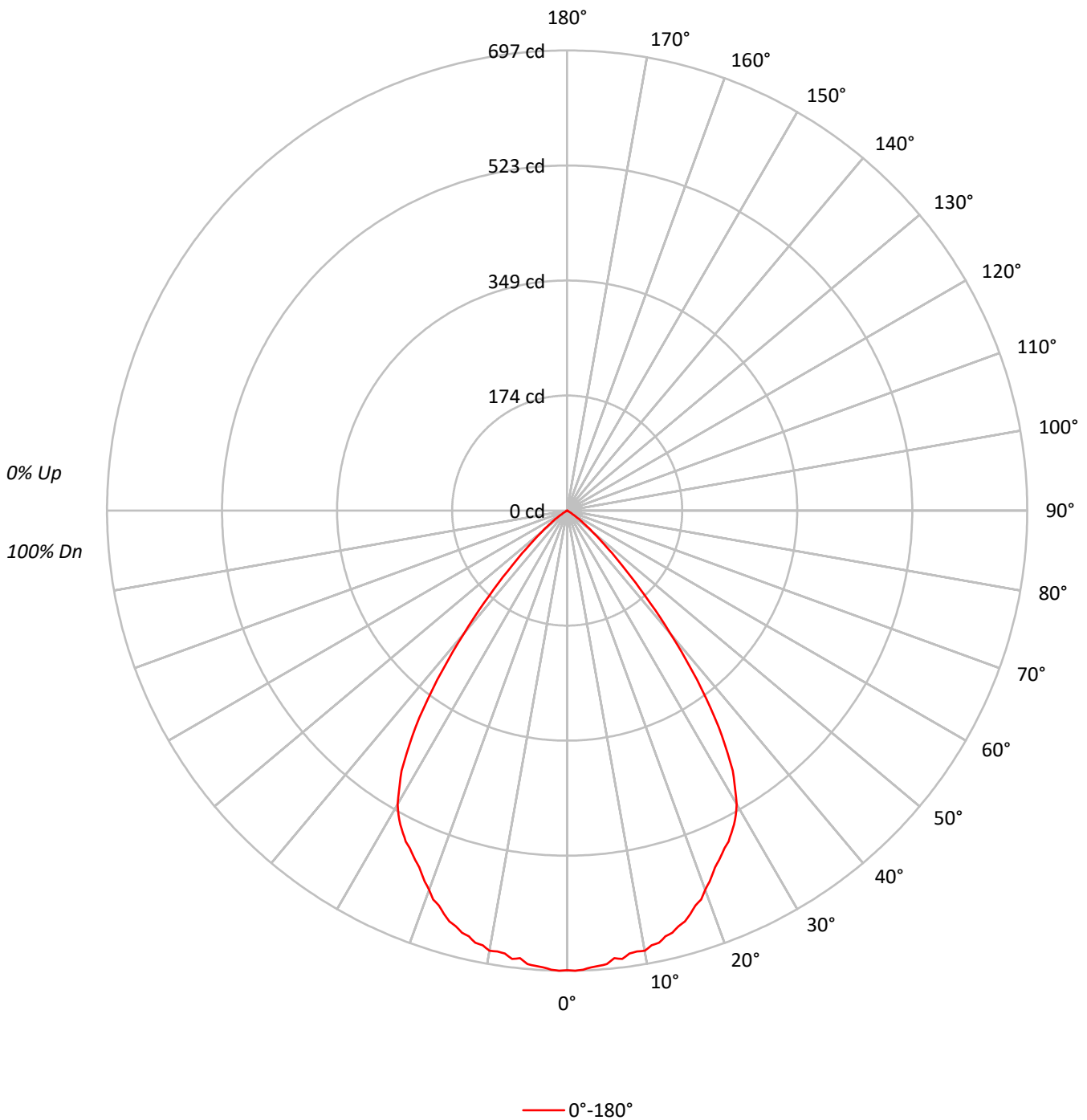
Lumens per Lamp: N/A
Luminaire Lumens: 867.5 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): 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°	343429
5°	341423
10°	339159
15°	332866
20°	320843
25°	307185
30°	292590
35°	241455
40°	156952
45°	81982
50°	38146
55°	13934
60°	1381
65°	1167
70°	721
75°	953
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	7.5
10°-20°	183.1	21.1
20°-30°	259.9	30.0
30°-40°	243.1	28.0
40°-50°	97.8	11.3
50°-60°	17.1	2.0
60°-70°	0.9	0.1
70°-80°	0.5	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°	508.3	58.6
0°-40°	751.4	86.6
0°-60°	866.2	99.8
0°-90°	867.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	696	
5°	689	65
15°	652	183
25°	564	260
35°	401	243
45°	118	98
55°	16	17
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	696.1
1°	697.1
2°	695.7
3°	692.8
4°	691.4
5°	689.4
6°	681.8
7°	684.2
8°	677.5
9°	676.1
10°	677.0
11°	670.8
12°	669.4
13°	661.7
14°	658.9
15°	651.7
16°	647.4
17°	638.8
18°	628.8
19°	623.0
20°	611.1
21°	602.0
22.5°	585.3
23°	581.0
24°	572.9
25°	564.3
26°	557.6
27°	548.0
28°	538.5
29°	527.0
30°	513.6
32.5°	466.8
35°	400.9
37.5°	323.0
40°	243.7
42.5°	173.9
45°	117.5
47.5°	77.4
50°	49.7
52.5°	31.1
55°	16.2
57.5°	5.3
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°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)