

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: P495489

Luminaire Tested: **LDA2B109024R20D010 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: P495489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109024R20D010 2LBDLC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

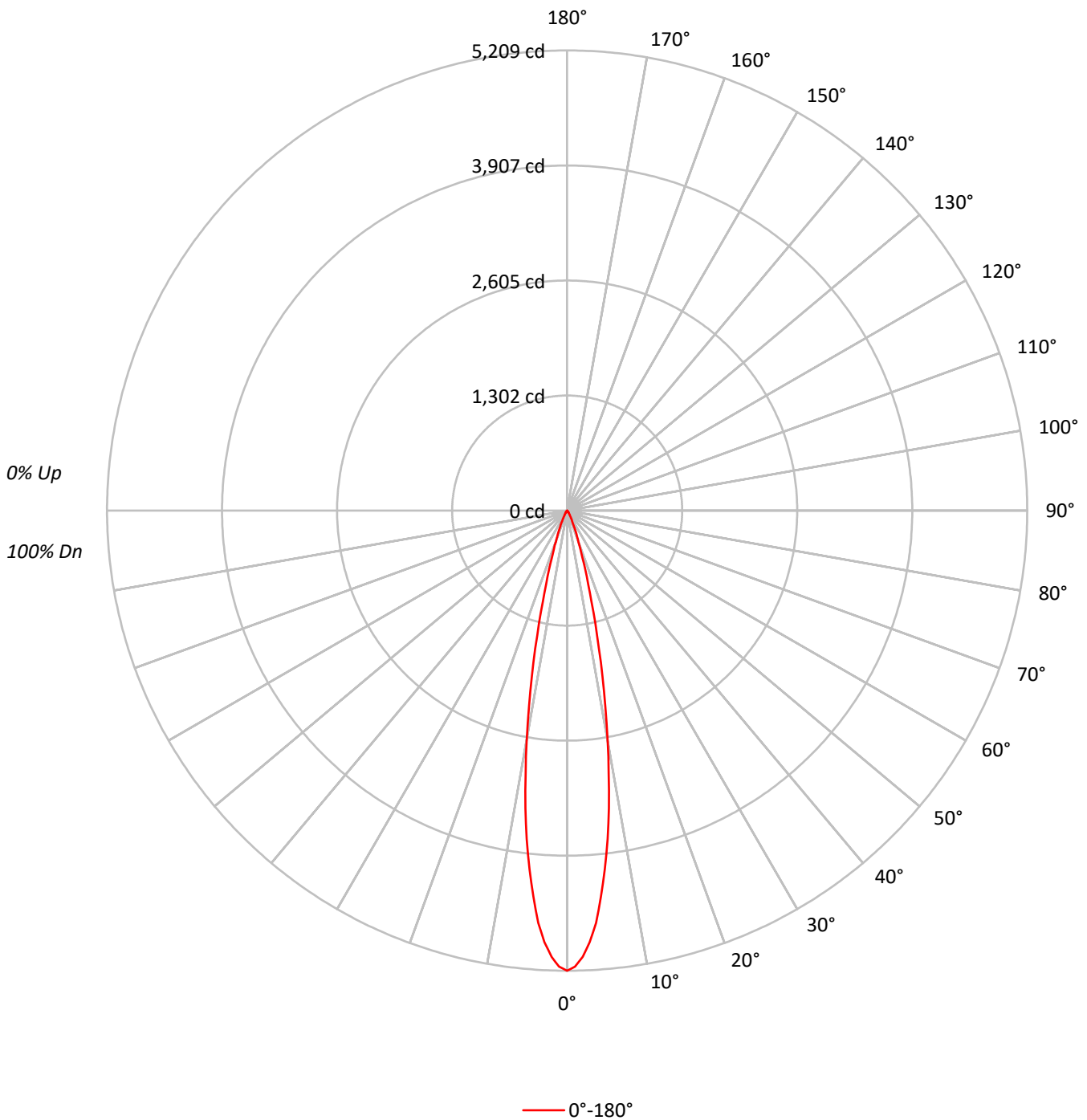
Lumens per Lamp: N/A
Luminaire Lumens: 777.4 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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					100			
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97					97			
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95					95			
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	97	95	94	92					92			
4	106	101	98	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90					90			
5	103	98	94	92	102	97	94	91	96	93	90	94	92	90	93	91	89	88					88			
6	101	95	91	89	100	95	91	88	93	90	88	92	89	87	91	89	87	86					86			
7	98	93	89	86	97	92	89	86	91	88	86	90	87	85	89	87	85	84					84			
8	96	90	87	84	95	90	86	84	89	86	84	88	85	83	87	85	83	82					82			
9	94	88	85	82	93	88	84	82	87	84	82	86	84	82	86	83	81	81					81			
10	92	86	83	80	91	86	83	80	85	82	80	85	82	80	84	82	80	79					79			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2570020
5°	2172299
10°	1323570
15°	544527
20°	196044
25°	78606
30°	35719
35°	16804
40°	8888
45°	4814
50°	2763
55°	1376
60°	789
65°	467
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.8	46.5
10°-20°	312.9	40.3
20°-30°	75.4	9.7
30°-40°	19.3	2.5
40°-50°	5.8	0.7
50°-60°	1.6	0.2
60°-70°	0.4	0.1
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°	750.2	96.5
0°-40°	769.5	99.0
0°-60°	777.0	99.9
0°-90°	777.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5209	
5°	4386	362
15°	1066	313
25°	144	75
35°	28	19
45°	7	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5209.2
1°	5163.9
2°	5055.9
3°	4891.6
4°	4680.0
5°	4386.3
6°	4082.8
7°	3747.8
8°	3399.9
9°	3009.4
10°	2642.0
11°	2258.1
12°	1921.4
13°	1603.0
14°	1310.9
15°	1066.1
16°	863.8
17°	697.5
18°	562.8
19°	462.9
20°	373.4
22.5°	230.2
25°	144.4
27.5°	93.9
30°	62.7
32.5°	41.3
35°	27.9
37.5°	19.4
40°	13.8
42.5°	9.7
45°	6.9
47.5°	5.3
50°	3.6
52.5°	2.4
55°	1.6
57.5°	1.2
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)