

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: P498278

Luminaire Tested: **LDA2B159024R20D010 2LBDC1MB**

Issue Date: 3/8/2021

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: P498278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159024R20D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

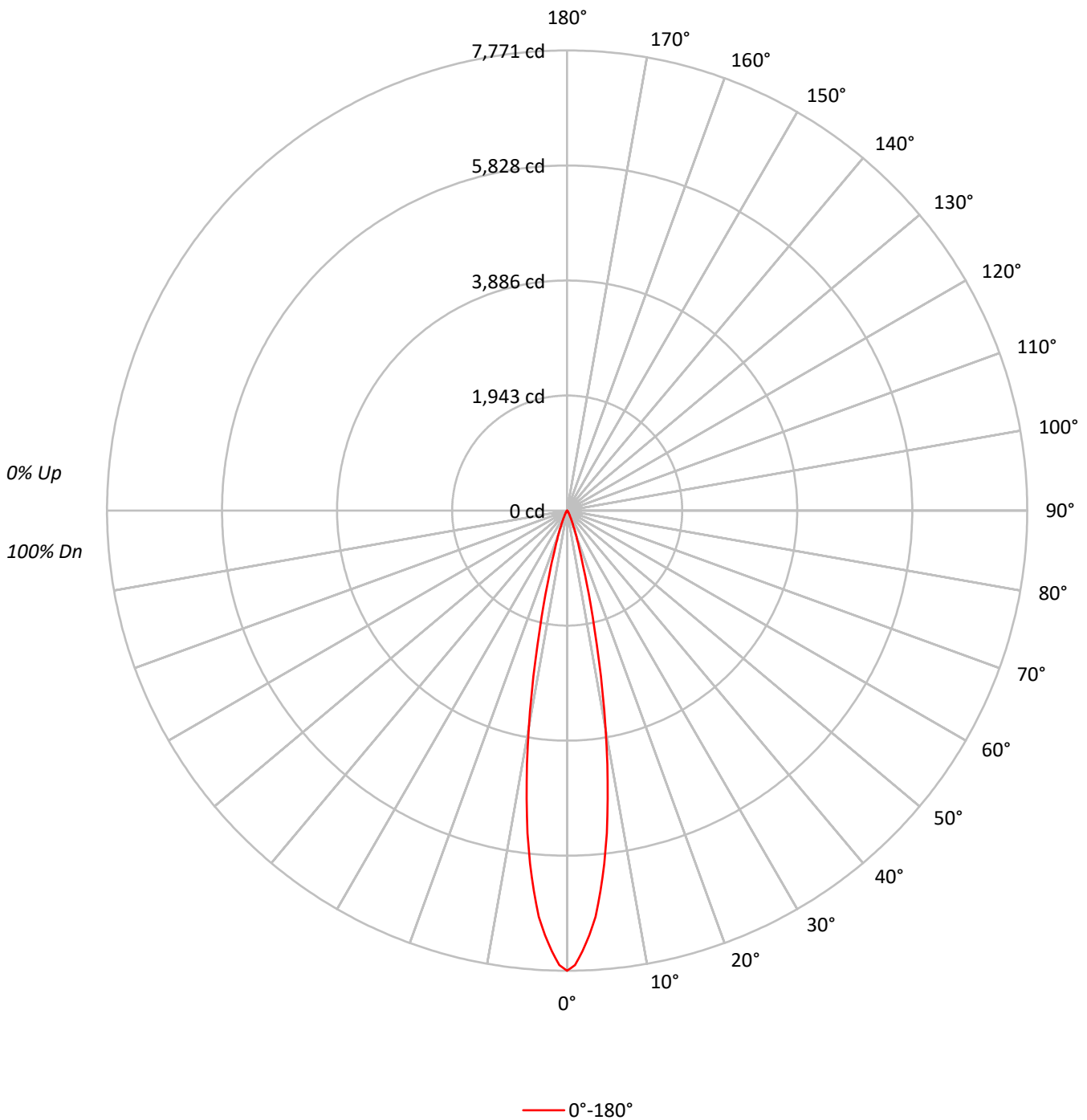
Lumens per Lamp: N/A
Luminaire Lumens: 1034.4 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P498278

CATALOG NUMBER: LDA2B159024R20D010 2LBDC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P498278

CATALOG NUMBER: LDA2B159024R20D010 2LBDC1MB

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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	96	95	
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	96	95	94	93	
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	91	90	
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	89	88	
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	87	86	
6	102	96	93	90	101	96	92	90	95	92	89	93	91	89	92	90	88	87	86	85	84	
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	85	84	83	
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	82	81	
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	82	81	80	79	
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	79	78	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3833865
5°	3194289
10°	1873337
15°	656130
20°	220825
25°	85139
30°	39080
35°	17286
40°	8437
45°	4954
50°	2686
55°	860
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498278

CATALOG NUMBER: LDA2B159024R20D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.7	51.0
10°-20°	396.2	38.3
20°-30°	83.3	8.0
30°-40°	20.0	1.9
40°-50°	5.7	0.6
50°-60°	1.2	0.1
60°-70°	0.3	0.0
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°	1007.2	97.4
0°-40°	1027.2	99.3
0°-60°	1034.1	100.0
0°-90°	1034.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7771	
5°	6450	528
15°	1285	396
25°	156	83
35°	29	20
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498278

CATALOG NUMBER: LDA2B159024R20D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7770.9
1°	7676.1
2°	7444.1
3°	7176.8
4°	6877.7
5°	6449.9
6°	5996.0
7°	5492.1
8°	4916.6
9°	4335.6
10°	3739.4
11°	3126.1
12°	2585.9
13°	2058.9
14°	1638.7
15°	1284.6
16°	1007.7
17°	794.9
18°	639.0
19°	518.0
20°	420.6
22.5°	255.2
25°	156.4
27.5°	102.4
30°	68.6
32.5°	41.9
35°	28.7
37.5°	19.7
40°	13.1
42.5°	9.6
45°	7.1
47.5°	5.0
50°	3.5
52.5°	2.0
55°	1.0
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P498278

CATALOG NUMBER: LDA2B159024R20D010 2LBDC1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)