

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: P498664

Luminaire Tested: **LDA2B159027R65D010 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: P498664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159027R65D010 2LBDLC1MMS
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

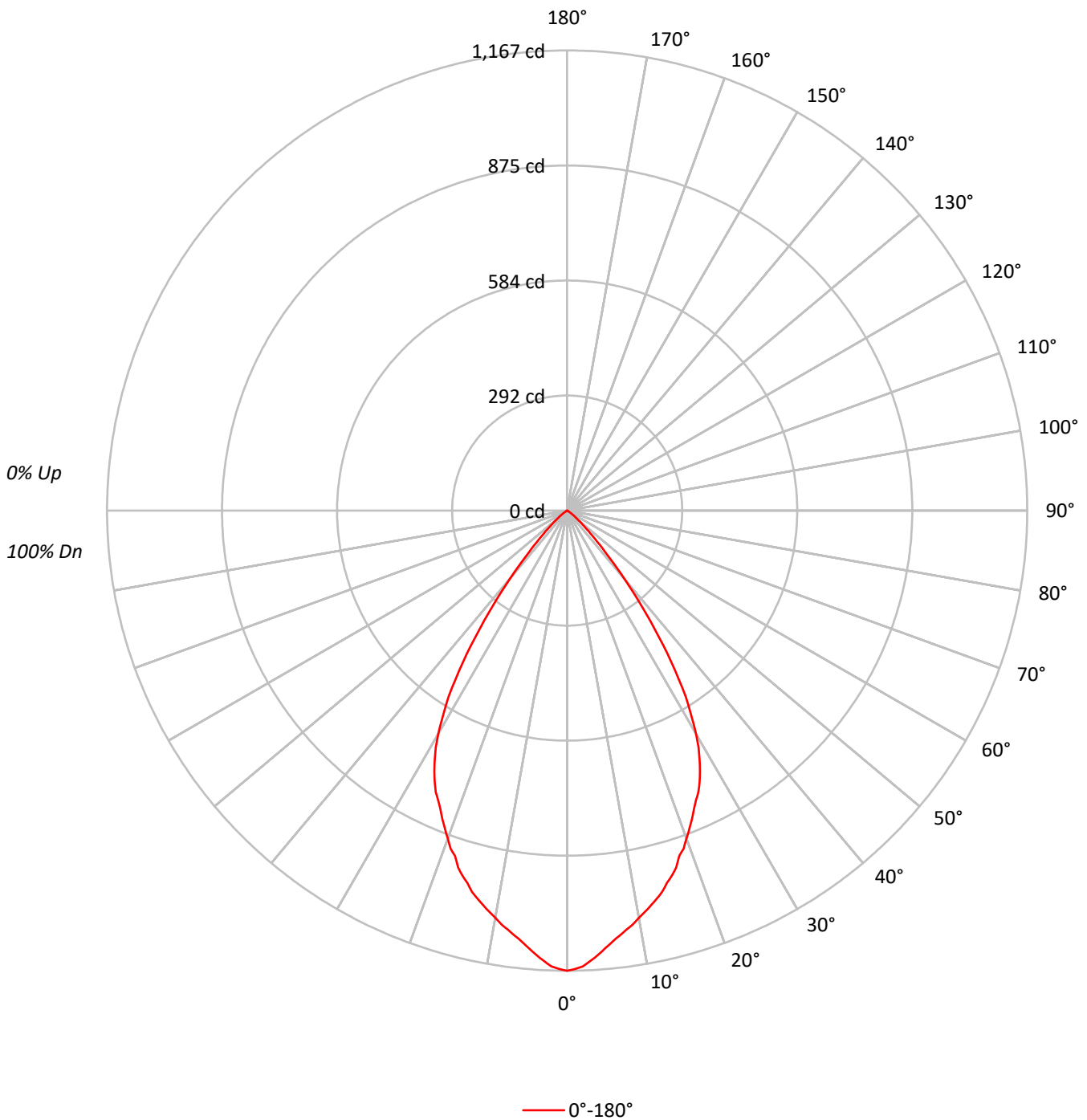
Lumens per Lamp: N/A
Luminaire Lumens: 1100.5 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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

TEST NUMBER: P498664

CATALOG NUMBER: LDA2B159027R65D010 2LBDLC1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P498664

CATALOG NUMBER: LDA2B159027R65D010 2LBDLC1MMS

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	57	54	62	57	54	61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	575753
5°	551704
10°	525420
15°	499376
20°	464542
25°	428850
30°	372061
35°	266992
40°	145037
45°	61957
50°	26633
55°	9634
60°	1776
65°	1401
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P498664

CATALOG NUMBER: LDA2B159027R65D010 2LBDLC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	9.5
10°-20°	273.9	24.9
20°-30°	358.1	32.5
30°-40°	272.4	24.8
40°-50°	78.8	7.2
50°-60°	11.9	1.1
60°-70°	1.0	0.1
70°-80°	0.2	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°	736.2	66.9
0°-40°	1008.6	91.6
0°-60°	1099.2	99.9
0°-90°	1100.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1167	
5°	1114	104
15°	978	274
25°	788	358
35°	443	272
45°	89	79
55°	11	12
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498664

CATALOG NUMBER: LDA2B159027R65D010 2LBDLC1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1167.0
1°	1162.8
2°	1156.4
3°	1143.4
4°	1129.3
5°	1114.0
6°	1099.4
7°	1086.4
8°	1074.1
9°	1062.9
10°	1048.8
11°	1036.4
12°	1023.5
13°	1010.6
14°	996.5
15°	977.7
16°	963.5
17°	946.5
18°	920.6
19°	907.1
20°	884.8
21°	864.8
22.5°	834.2
23°	822.5
24°	804.2
25°	787.8
26°	766.0
27°	741.9
28°	715.5
29°	687.2
30°	653.1
32.5°	559.7
35°	443.3
37.5°	326.9
40°	225.2
42.5°	142.9
45°	88.8
47.5°	55.3
50°	34.7
52.5°	20.6
55°	11.2
57.5°	4.1
60°	1.8
62.5°	1.2
65°	1.2



TEST NUMBER: P498664

CATALOG NUMBER: LDA2B159027R65D010 2LBDLC1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)