

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: P498454

Luminaire Tested: **LDA2B159024R70D010 2LBD1MB**

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: P498454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159024R70D010 2LBD1MB
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

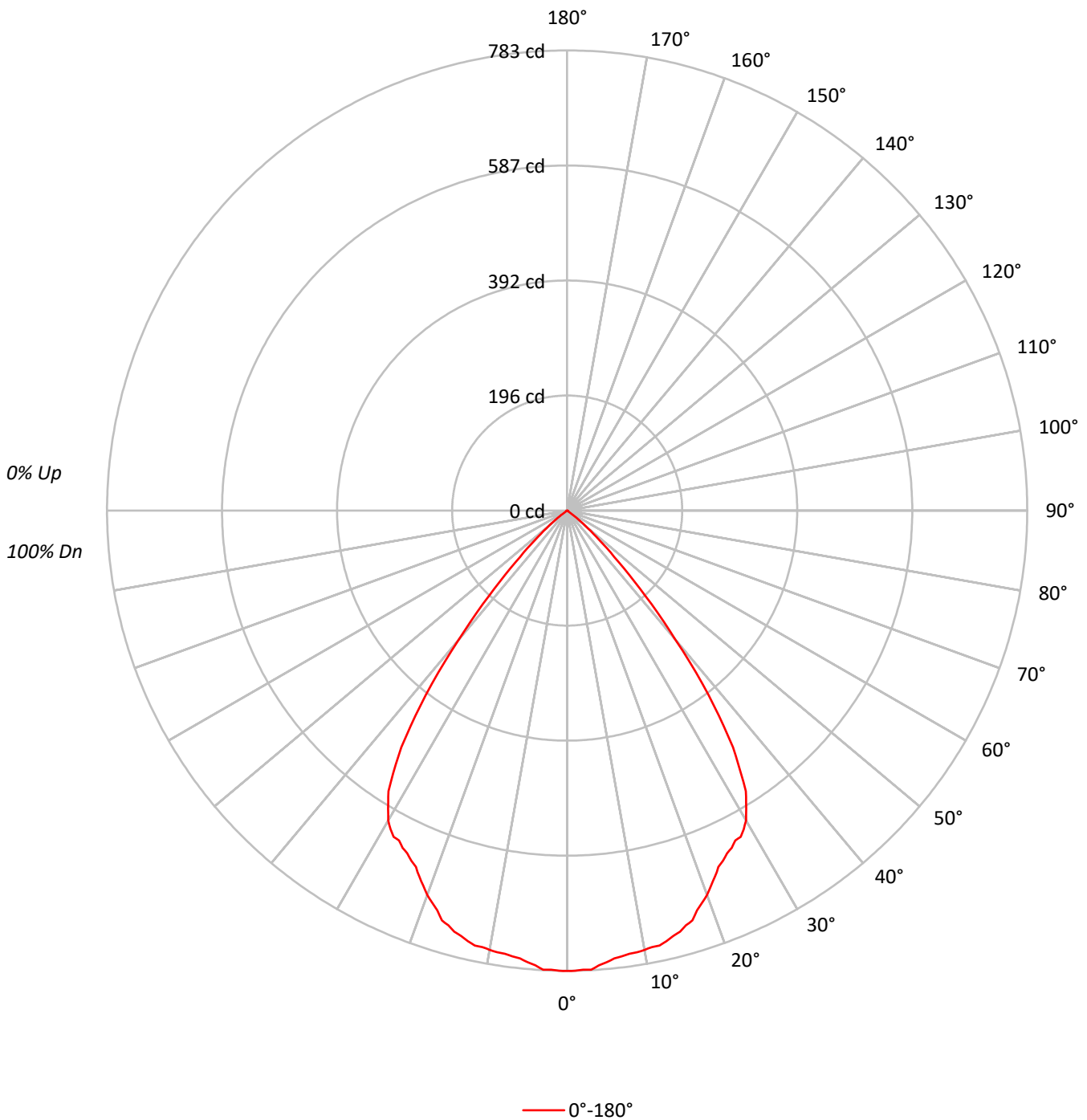
Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P498454

CATALOG NUMBER: LDA2B159024R70D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P498454

CATALOG NUMBER: LDA2B159024R70D010 2LBD1MB

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	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386450
5°	382182
10°	380288
15°	378937
20°	365417
25°	350353
30°	346824
35°	296203
40°	184839
45°	85540
50°	30932
55°	2150
60°	987
65°	1167
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P498454

CATALOG NUMBER: LDA2B159024R70D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	7.4
10°-20°	207.8	21.0
20°-30°	298.8	30.2
30°-40°	294.5	29.8
40°-50°	104.9	10.6
50°-60°	8.6	0.9
60°-70°	0.8	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°	579.8	58.6
0°-40°	874.3	88.4
0°-60°	987.9	99.9
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	783	
5°	772	73
15°	742	208
25°	644	299
35°	492	295
45°	123	105
55°	2	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498454

CATALOG NUMBER: LDA2B159024R70D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	783.3
1°	783.3
2°	781.8
3°	782.3
4°	775.7
5°	771.7
6°	766.1
7°	764.1
8°	761.6
9°	761.1
10°	759.1
11°	756.6
12°	756.6
13°	752.0
14°	746.0
15°	741.9
16°	733.9
17°	729.3
18°	715.2
19°	705.6
20°	696.0
21°	683.4
22.5°	665.8
23°	658.7
24°	652.2
25°	643.6
26°	638.5
27°	630.0
28°	629.0
29°	619.9
30°	608.8
32.5°	565.9
35°	491.8
37.5°	395.4
40°	287.0
42.5°	196.2
45°	122.6
47.5°	73.1
50°	40.3
52.5°	15.1
55°	2.5
57.5°	1.5
60°	1.0
62.5°	1.0
65°	1.0



TEST NUMBER: P498454

CATALOG NUMBER: LDA2B159024R70D010 2LBD1MB

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)