

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: P492810

Luminaire Tested: **LDA2B059024R60D010 2LBDLC1MW**

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: P492810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059024R60D010 2LBDLC1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

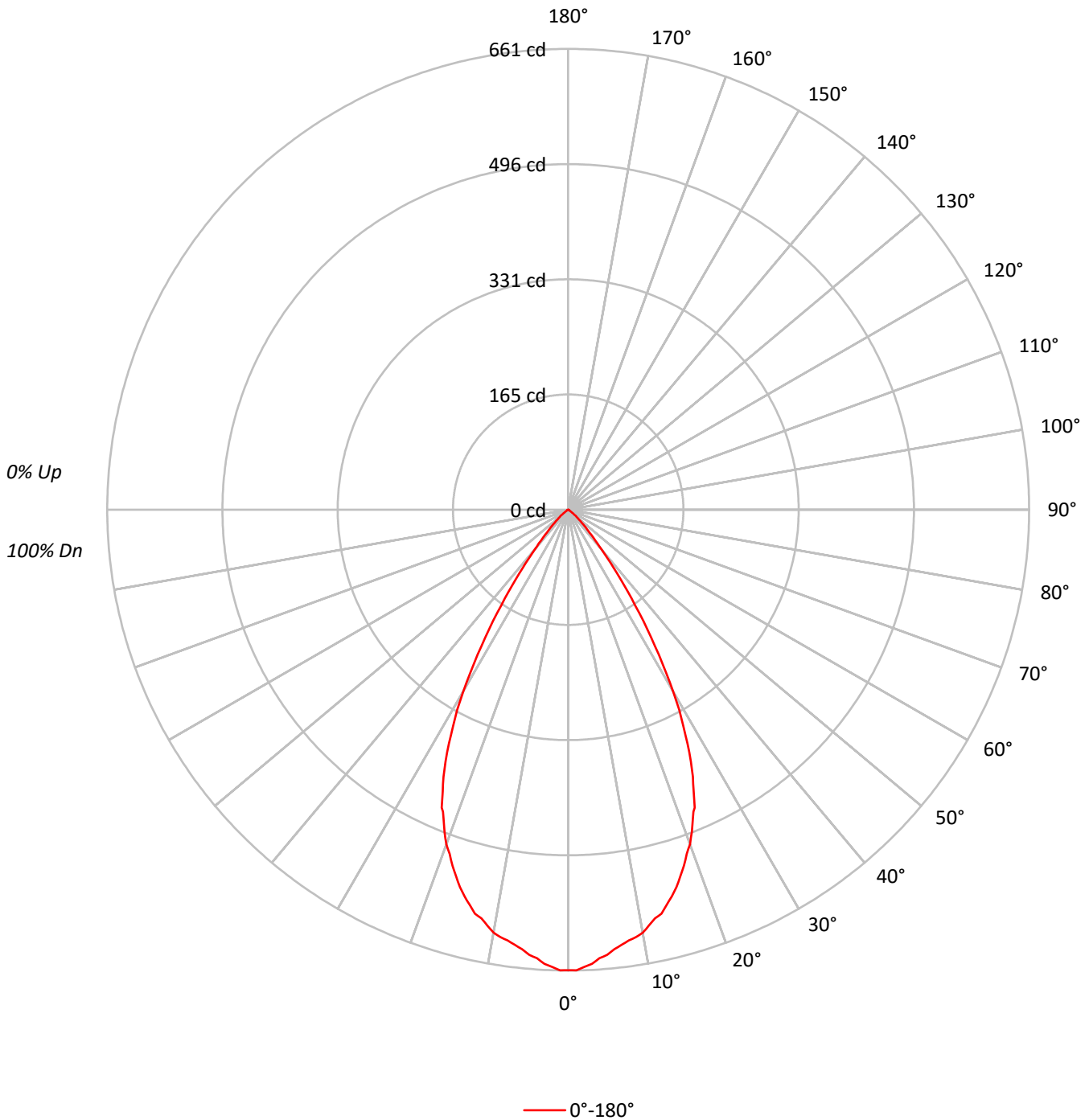
Lumens per Lamp: N/A
Luminaire Lumens: 550.7 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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: P492810

CATALOG NUMBER: LDA2B059024R60D010 2LBDLC1MW

Luminous Intensity Polar Plot





TEST NUMBER: P492810

CATALOG NUMBER: LDA2B059024R60D010 2LBDLC1MW

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65		72	68	64		71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325915
5°	317403
10°	308649
15°	293384
20°	268078
25°	230212
30°	171304
35°	100581
40°	47916
45°	22397
50°	11129
55°	3871
60°	888
65°	700
70°	433
75°	572
80°	0
85°	0



TEST NUMBER: P492810

CATALOG NUMBER: LDA2B059024R60D010 2LBDLC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	11.0
10°-20°	159.8	29.0
20°-30°	189.8	34.5
30°-40°	107.1	19.5
40°-50°	27.9	5.1
50°-60°	5.1	0.9
60°-70°	0.5	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°	409.9	74.4
0°-40°	517.0	93.9
0°-60°	550.0	99.9
0°-90°	550.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	661	
5°	641	60
15°	574	160
25°	423	190
35°	167	107
45°	32	28
55°	4	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P492810

CATALOG NUMBER: LDA2B059024R60D010 2LBDLC1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	660.6
1°	660.9
2°	656.4
3°	652.4
4°	644.9
5°	640.9
6°	634.0
7°	628.8
8°	624.0
9°	620.7
10°	616.1
11°	607.4
12°	599.2
13°	594.7
14°	584.1
15°	574.4
16°	563.2
17°	549.9
18°	537.2
19°	522.1
20°	510.6
21°	494.8
22.5°	468.8
23°	464.3
24°	442.2
25°	422.9
26°	401.4
27°	376.6
28°	352.1
29°	328.2
30°	300.7
32.5°	231.4
35°	167.0
37.5°	114.0
40°	74.4
42.5°	48.7
45°	32.1
47.5°	21.8
50°	14.5
52.5°	9.1
55°	4.5
57.5°	1.8
60°	0.9
62.5°	0.6
65°	0.6



TEST NUMBER: P492810

CATALOG NUMBER: LDA2B059024R60D010 2LBDLC1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)