

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: P497324

Luminaire Tested: **LDA2B158027R60D010 2LBD1B**

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: P497324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B158027R60D010 2LBD1B
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

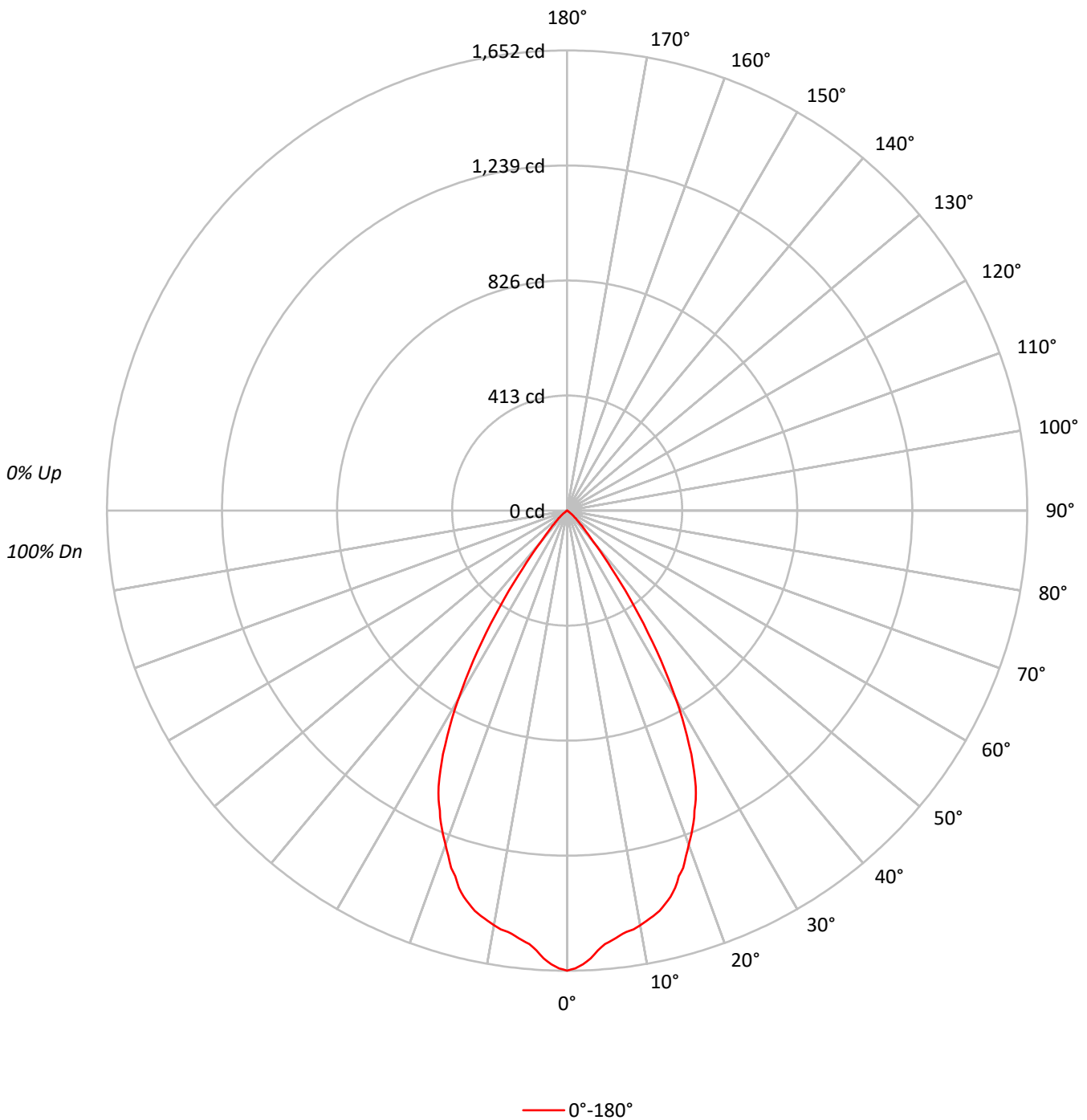
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.1 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
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: P497324
CATALOG NUMBER: LDA2B158027R60D010 2LBD1B

Luminous Intensity Polar Plot





TEST NUMBER: P497324

CATALOG NUMBER: LDA2B158027R60D010 2LBD1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	814886
5°	773575
10°	757320
15°	733000
20°	670194
25°	595045
30°	445152
35°	251273
40°	94609
45°	42352
50°	20647
55°	4129
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P497324

CATALOG NUMBER: LDA2B158027R60D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	10.9
10°-20°	398.6	29.3
20°-30°	487.0	35.8
30°-40°	265.6	19.5
40°-50°	53.2	3.9
50°-60°	7.6	0.6
60°-70°	0.9	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°	1033.5	75.9
0°-40°	1299.1	95.4
0°-60°	1359.9	99.9
0°-90°	1361.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1652	
5°	1562	148
15°	1435	399
25°	1093	487
35°	417	266
45°	61	53
55°	5	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497324

CATALOG NUMBER: LDA2B158027R60D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1651.7
1°	1644.1
2°	1629.6
3°	1610.3
4°	1582.7
5°	1562.0
6°	1551.0
7°	1537.9
8°	1527.5
9°	1522.7
10°	1511.7
11°	1499.3
12°	1488.2
13°	1475.1
14°	1455.8
15°	1435.1
16°	1408.9
17°	1372.4
18°	1348.9
19°	1311.0
20°	1276.5
21°	1244.8
22.5°	1191.7
23°	1169.6
24°	1135.8
25°	1093.1
26°	1038.6
27°	981.4
28°	915.8
29°	853.8
30°	781.4
32.5°	599.3
35°	417.2
37.5°	261.4
40°	146.9
42.5°	91.7
45°	60.7
47.5°	41.4
50°	26.9
52.5°	13.8
55°	4.8
57.5°	2.1
60°	1.4
62.5°	1.4
65°	0.7



TEST NUMBER: P497324

CATALOG NUMBER: LDA2B158027R60D010 2LBD1B

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
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)