

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: P494611

Luminaire Tested: **LDA2B108030R20D010 2LBDL1B**

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: P494611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B108030R20D010 2LBDL1B
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

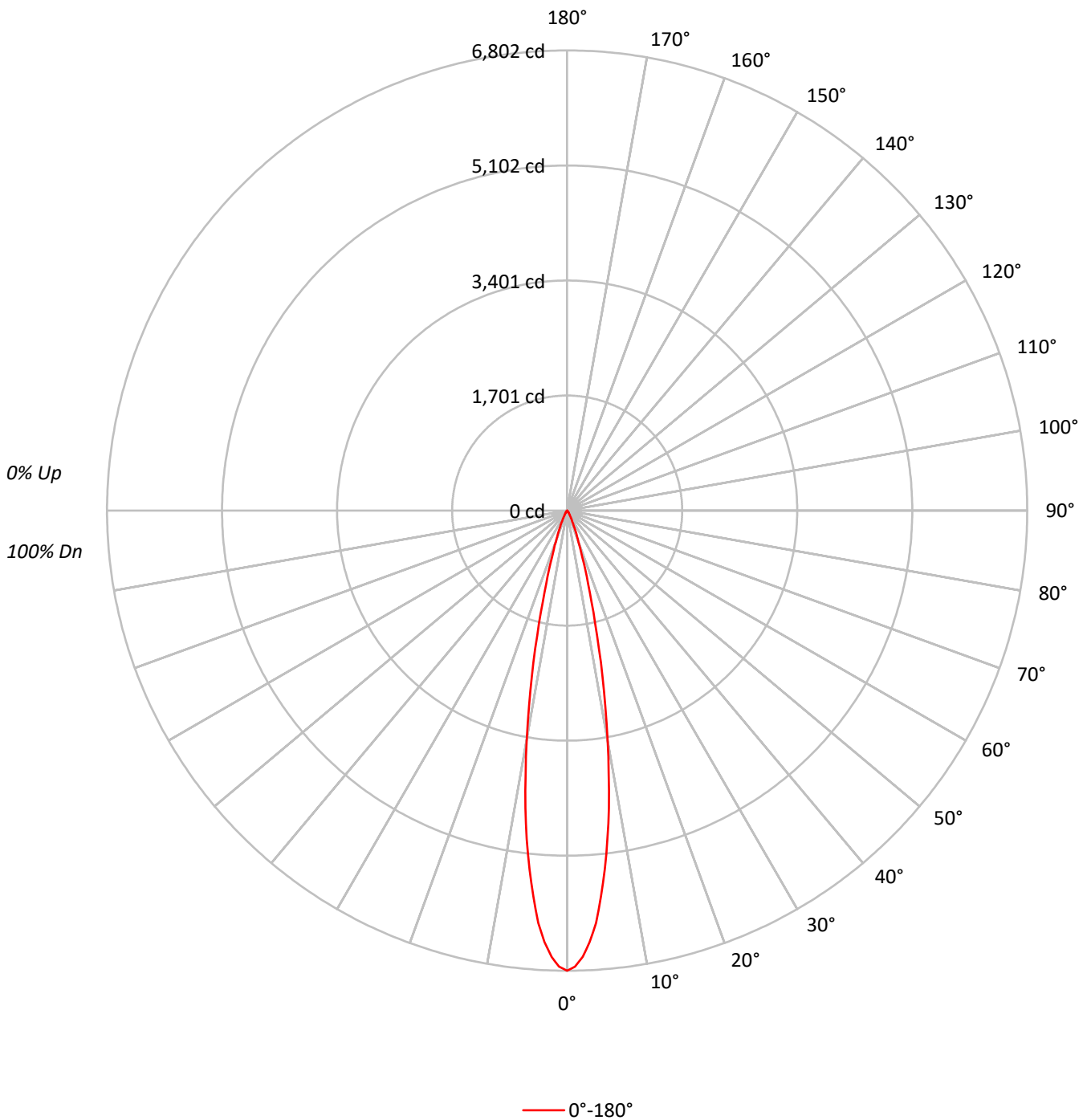
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.1 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: P494611
CATALOG NUMBER: LDA2B108030R20D010 2LBDL1B

Luminous Intensity Polar Plot





TEST NUMBER: P494611

CATALOG NUMBER: LDA2B108030R20D010 2LBDL1B

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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	104	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	90		94	92	90		93	91	89	88
6	101	95	91	89	100	95	91	88	93	90	88		92	89	87		91	89	87	86
7	98	93	89	86	97	92	89	86	91	88	86		90	87	85		89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84		88	85	83		87	85	83	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	81
10	92	86	83	80	91	86	83	80	85	82	80		85	82	80		84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3355650
5°	2836325
10°	1728205
15°	710986
20°	256002
25°	102667
30°	46657
35°	21983
40°	11593
45°	6279
50°	3684
55°	1806
60°	1085
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P494611

CATALOG NUMBER: LDA2B108030R20D010 2LBDL1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.4	46.5
10°-20°	408.6	40.3
20°-30°	98.5	9.7
30°-40°	25.3	2.5
40°-50°	7.6	0.7
50°-60°	2.2	0.2
60°-70°	0.5	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°	979.5	96.5
0°-40°	1004.8	99.0
0°-60°	1014.6	100.0
0°-90°	1015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6802	
5°	5727	472
15°	1392	409
25°	189	99
35°	36	25
45°	9	8
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494611

CATALOG NUMBER: LDA2B108030R20D010 2LBDL1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	6801.6
1°	6742.5
2°	6601.4
3°	6386.9
4°	6110.7
5°	5727.1
6°	5330.9
7°	4893.5
8°	4439.2
9°	3929.4
10°	3449.7
11°	2948.3
12°	2508.8
13°	2093.1
14°	1711.6
15°	1392.0
16°	1127.9
17°	910.8
18°	734.8
19°	604.4
20°	487.6
22.5°	300.6
25°	188.6
27.5°	122.6
30°	81.9
32.5°	53.9
35°	36.5
37.5°	25.4
40°	18.0
42.5°	12.7
45°	9.0
47.5°	6.9
50°	4.8
52.5°	3.2
55°	2.1
57.5°	1.6
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P494611

CATALOG NUMBER: LDA2B108030R20D010 2LBDL1B

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)