

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: P494536

Luminaire Tested: **LDA2B108027R60D010 2LBDLC1MB**

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: P494536
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: LDA2B108027R60D010 2LBDLC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

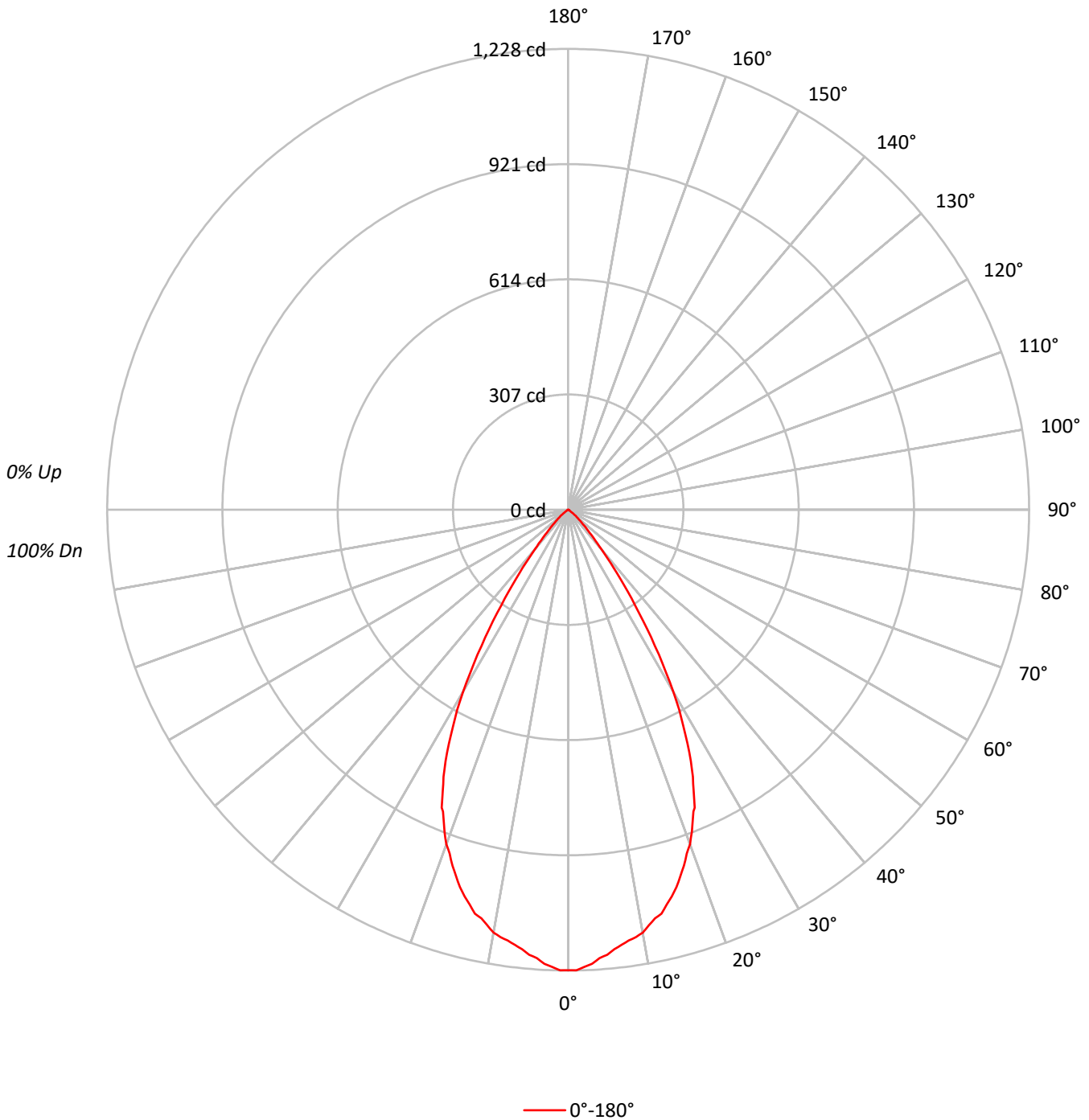
Lumens per Lamp: N/A
Luminaire Lumens: 1023.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): 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: P494536

CATALOG NUMBER: LDA2B108027R60D010 2LBDLC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P494536

CATALOG NUMBER: LDA2B108027R60D010 2LBDLC1MB

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	90	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	88	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	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	605404
5°	589640
10°	573363
15°	544987
20°	497933
25°	427598
30°	318169
35°	186828
40°	89006
45°	41584
50°	20723
55°	7225
60°	1677
65°	1284
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P494536

CATALOG NUMBER: LDA2B108027R60D010 2LBDLC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	11.0
10°-20°	296.9	29.0
20°-30°	352.5	34.5
30°-40°	199.0	19.4
40°-50°	51.8	5.1
50°-60°	9.4	0.9
60°-70°	1.0	0.1
70°-80°	0.4	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°	761.4	74.4
0°-40°	960.4	93.9
0°-60°	1021.6	99.9
0°-90°	1023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1227	
5°	1191	112
15°	1067	297
25°	786	353
35°	310	199
45°	60	52
55°	8	9
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P494536

CATALOG NUMBER: LDA2B108027R60D010 2LBDLC1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1227.1
1°	1227.7
2°	1219.3
3°	1211.9
4°	1197.9
5°	1190.6
6°	1177.7
7°	1168.1
8°	1159.1
9°	1153.0
10°	1144.5
11°	1128.2
12°	1113.1
13°	1104.6
14°	1085.0
15°	1067.0
16°	1046.2
17°	1021.5
18°	997.9
19°	969.8
20°	948.4
21°	919.2
22.5°	870.9
23°	862.5
24°	821.4
25°	785.5
26°	745.6
27°	699.5
28°	654.0
29°	609.6
30°	558.5
32.5°	429.8
35°	310.2
37.5°	211.8
40°	138.2
42.5°	90.5
45°	59.6
47.5°	40.5
50°	27.0
52.5°	16.9
55°	8.4
57.5°	3.4
60°	1.7
62.5°	1.1
65°	1.1



TEST NUMBER: P494536

CATALOG NUMBER: LDA2B108027R60D010 2LBDLC1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)