

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: P495850

Luminaire Tested: **LDA2B109027R65D010 2LBDL1MMS**

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: P495850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109027R65D010 2LBDL1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

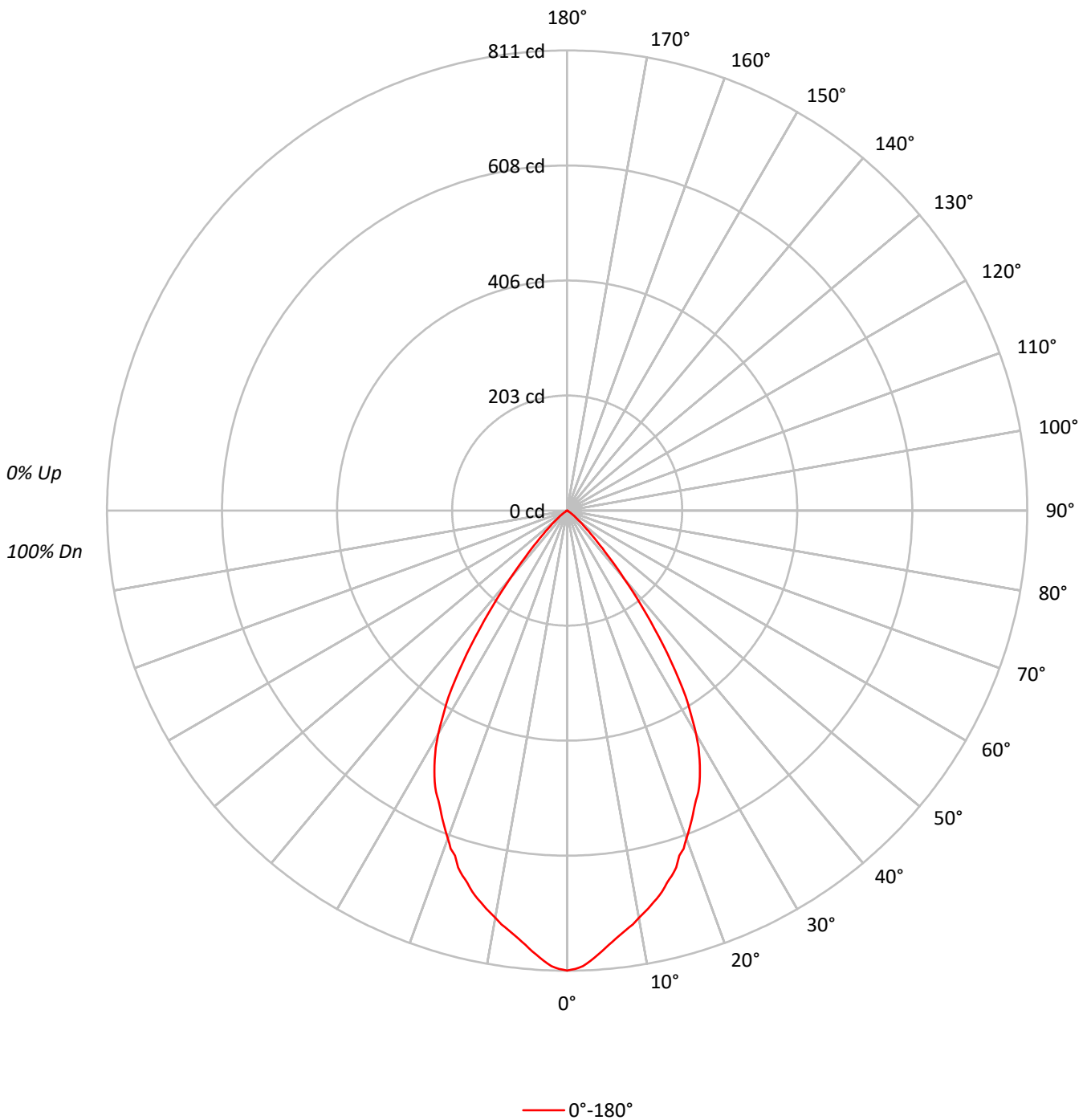
Lumens per Lamp: N/A
Luminaire Lumens: 764.5 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P495850

CATALOG NUMBER: LDA2B109027R65D010 2LBDL1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P495850

CATALOG NUMBER: LDA2B109027R65D010 2LBDL1MMS

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50		59	54	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	399968
5°	383321
10°	365009
15°	346912
20°	322733
25°	297931
30°	258523
35°	185503
40°	100728
45°	43049
50°	18498
55°	6709
60°	1184
65°	934
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P495850

CATALOG NUMBER: LDA2B109027R65D010 2LBDL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	9.5
10°-20°	190.3	24.9
20°-30°	248.8	32.5
30°-40°	189.2	24.8
40°-50°	54.7	7.2
50°-60°	8.2	1.1
60°-70°	0.7	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°	511.5	66.9
0°-40°	700.7	91.7
0°-60°	763.7	99.9
0°-90°	764.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	811	
5°	774	72
15°	679	190
25°	547	249
35°	308	189
45°	62	55
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P495850

CATALOG NUMBER: LDA2B109027R65D010 2LBDL1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	810.7
1°	807.9
2°	803.4
3°	794.4
4°	784.6
5°	774.0
6°	763.8
7°	754.8
8°	746.2
9°	738.5
10°	728.6
11°	720.1
12°	711.1
13°	702.1
14°	692.3
15°	679.2
16°	669.4
17°	657.6
18°	639.6
19°	630.2
20°	614.7
21°	600.8
22.5°	579.6
23°	571.4
24°	558.7
25°	547.3
26°	532.2
27°	515.4
28°	497.1
29°	477.5
30°	453.8
32.5°	388.8
35°	308.0
37.5°	227.1
40°	156.4
42.5°	99.2
45°	61.7
47.5°	38.4
50°	24.1
52.5°	14.3
55°	7.8
57.5°	2.9
60°	1.2
62.5°	0.8
65°	0.8



TEST NUMBER: P495850

CATALOG NUMBER: LDA2B109027R65D010 2LBDL1MMS

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)