

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: P496916

Luminaire Tested: **LDA2B109727R65D010 2LBD1GPH**

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: P496916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B109727R65D010 2LBD1GPH  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

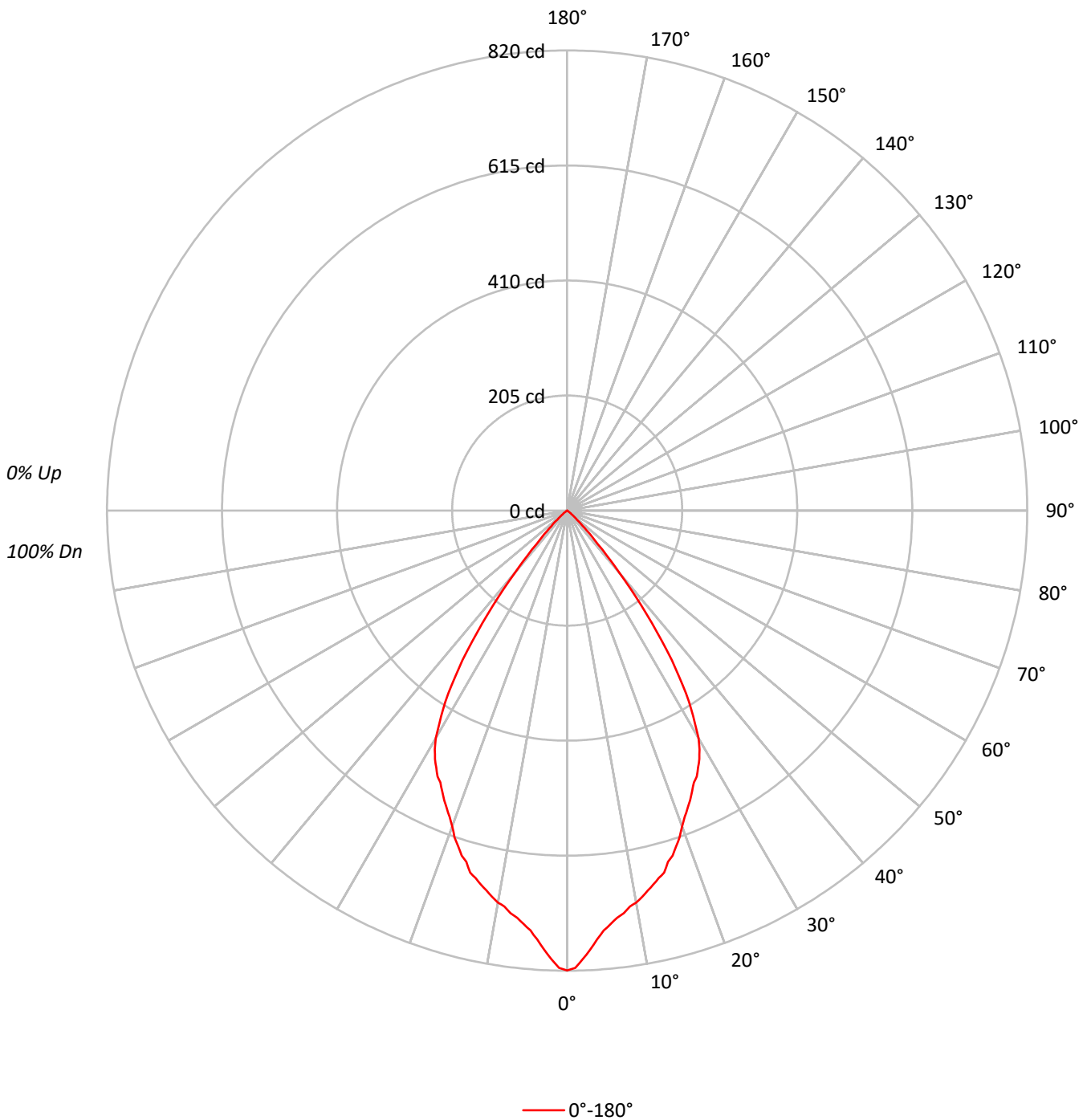
Lumens per Lamp: N/A  
Luminaire Lumens: 744.2 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P496916

CATALOG NUMBER: LDA2B109727R65D010 2LBD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P496916

CATALOG NUMBER: LDA2B109727R65D010 2LBD1GPH

**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	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	404310
5°	371831
10°	355340
15°	341243
20°	314332
25°	291072
30°	266727
35°	195863
40°	92806
45°	30490
50°	9901
55°	1290
60°	691
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P496916

CATALOG NUMBER: LDA2B109727R65D010 2LBD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	9.5
10°-20°	185.8	25.0
20°-30°	246.5	33.1
30°-40°	195.0	26.2
40°-50°	42.6	5.7
50°-60°	3.2	0.4
60°-70°	0.4	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°	502.8	67.6
0°-40°	697.8	93.8
0°-60°	743.6	99.9
0°-90°	744.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	820	
5°	751	71
15°	668	186
25°	535	246
35°	325	195
45°	44	43
55°	2	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496916

CATALOG NUMBER: LDA2B109727R65D010 2LBD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	819.5
1°	815.1
2°	800.0
3°	783.5
4°	766.2
5°	750.8
6°	740.9
7°	731.0
8°	724.3
9°	714.4
10°	709.3
11°	701.2
12°	692.0
13°	683.9
14°	674.7
15°	668.1
16°	651.2
17°	642.8
18°	628.8
19°	615.9
20°	598.7
21°	584.7
22.5°	566.3
23°	561.2
24°	547.2
25°	534.7
26°	527.0
27°	514.1
28°	501.6
29°	486.6
30°	468.2
32.5°	404.2
35°	325.2
37.5°	231.9
40°	144.1
42.5°	81.2
45°	43.7
47.5°	23.5
50°	12.9
52.5°	5.5
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.4
65°	0.4



TEST NUMBER: P496916

CATALOG NUMBER: LDA2B109727R65D010 2LBD1GPH

**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)