

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: P497141

Luminaire Tested: **LDA2B109730R65D010 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: P497141
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: LDA2B109730R65D010 2LBDL1B
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

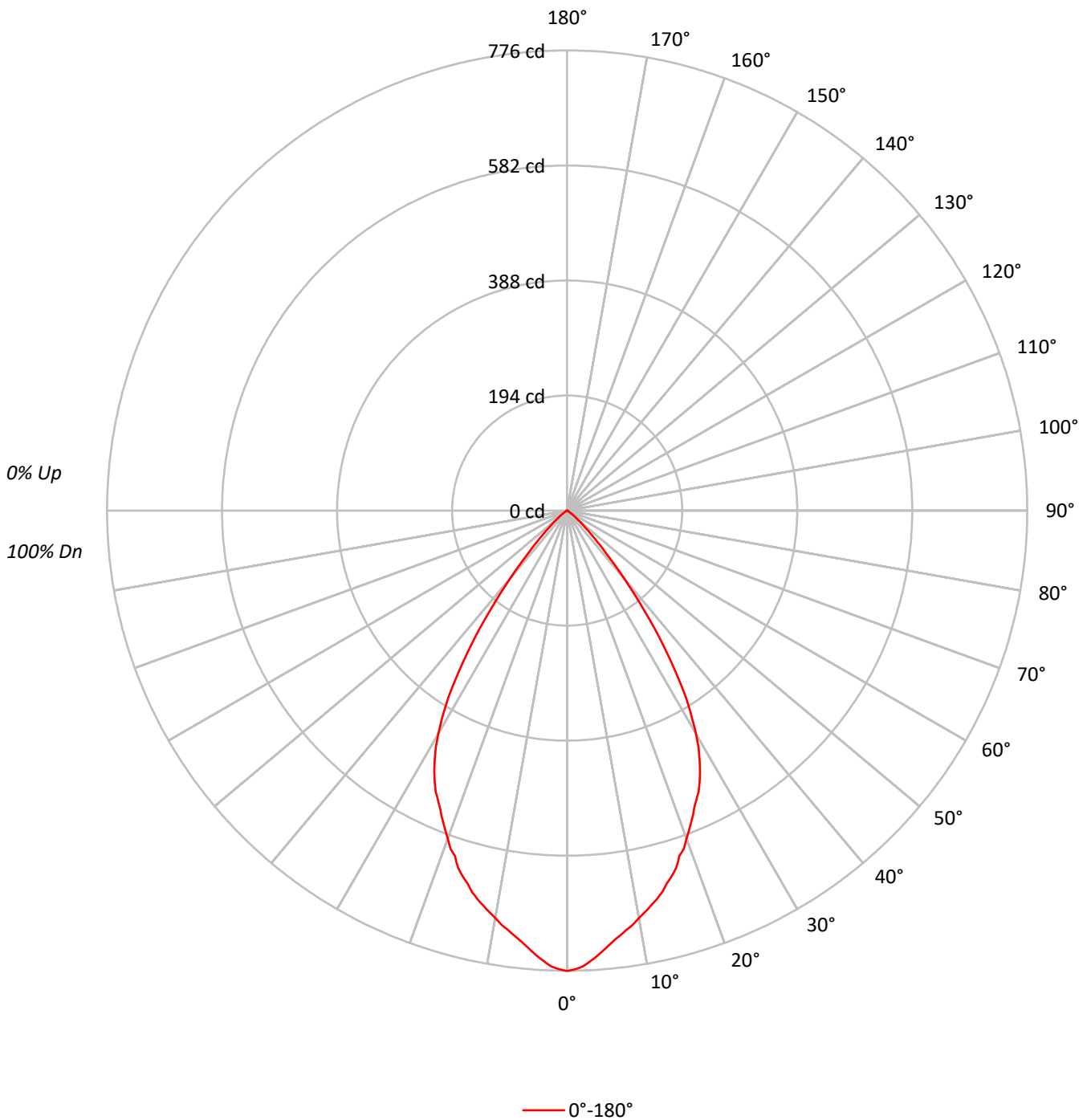
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.1 lumens
Efficiency: N/A
Efficacy: 73.2 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: P497141
CATALOG NUMBER: LDA2B109730R65D010 2LBDL1B

Luminous Intensity Polar Plot





TEST NUMBER: P497141

CATALOG NUMBER: LDA2B109730R65D010 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	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	57	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°	383046
5°	367077
10°	349579
15°	332202
20°	309030
25°	285301
30°	247528
35°	177613
40°	96477
45°	41235
50°	17730
55°	6365
60°	1184
65°	934
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P497141

CATALOG NUMBER: LDA2B109730R65D010 2LBDL1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	9.5
10°-20°	182.2	24.9
20°-30°	238.2	32.5
30°-40°	181.2	24.8
40°-50°	52.4	7.2
50°-60°	7.9	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°	489.8	66.9
0°-40°	671.0	91.7
0°-60°	731.3	99.9
0°-90°	732.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	776	
5°	741	69
15°	650	182
25°	524	238
35°	295	181
45°	59	52
55°	7	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497141

CATALOG NUMBER: LDA2B109730R65D010 2LBDL1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	776.4
1°	773.6
2°	769.3
3°	760.7
4°	751.4
5°	741.2
6°	731.4
7°	722.8
8°	714.6
9°	707.2
10°	697.8
11°	689.6
12°	681.0
13°	672.3
14°	663.0
15°	650.4
16°	641.1
17°	629.7
18°	612.5
19°	603.5
20°	588.6
21°	575.3
22.5°	555.0
23°	547.2
24°	535.1
25°	524.1
26°	509.6
27°	493.6
28°	476.0
29°	457.2
30°	434.5
32.5°	372.4
35°	294.9
37.5°	217.5
40°	149.8
42.5°	95.0
45°	59.1
47.5°	36.8
50°	23.1
52.5°	13.7
55°	7.4
57.5°	2.7
60°	1.2
62.5°	0.8
65°	0.8



TEST NUMBER: P497141

CATALOG NUMBER: LDA2B109730R65D010 2LBDL1B

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)