

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: P495004

Luminaire Tested: **LDA2B108035R70D010 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: P495004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B108035R70D010 2LBDL1B
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

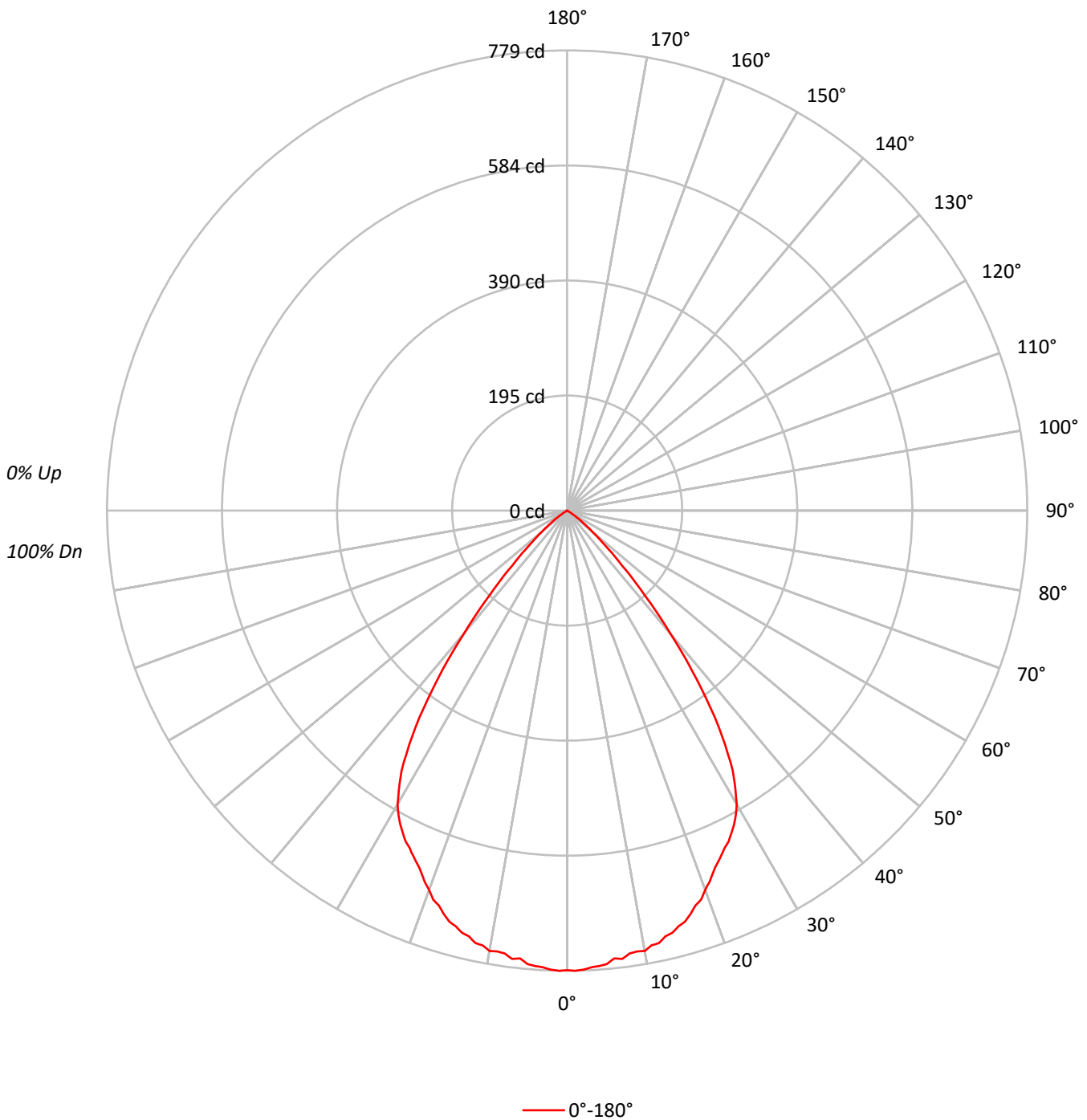
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 969.8 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
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: P495004
CATALOG NUMBER: LDA2B108035R70D010 2LBDL1B

Luminous Intensity Polar Plot





TEST NUMBER: P495004

CATALOG NUMBER: LDA2B108035R70D010 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	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46	55	50	46	54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	383983
5°	381736
10°	379186
15°	372144
20°	358697
25°	343385
30°	327113
35°	269883
40°	175436
45°	91680
50°	42675
55°	15655
60°	1579
65°	1284
70°	721
75°	953
80°	0
85°	0



TEST NUMBER: P495004

CATALOG NUMBER: LDA2B108035R70D010 2LBDL1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	7.5
10°-20°	204.7	21.1
20°-30°	290.6	30.0
30°-40°	271.7	28.0
40°-50°	109.3	11.3
50°-60°	19.1	2.0
60°-70°	0.9	0.1
70°-80°	0.5	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°	568.2	58.6
0°-40°	840.0	86.6
0°-60°	968.4	99.9
0°-90°	969.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	778	
5°	771	73
15°	729	205
25°	631	291
35°	448	272
45°	131	109
55°	18	19
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P495004

CATALOG NUMBER: LDA2B108035R70D010 2LBDL1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	778.3
1°	779.3
2°	777.7
3°	774.5
4°	772.9
5°	770.8
6°	762.2
7°	764.9
8°	757.4
9°	755.8
10°	756.9
11°	749.9
12°	748.3
13°	739.8
14°	736.6
15°	728.6
16°	723.8
17°	714.2
18°	702.9
19°	696.5
20°	683.2
21°	673.0
22.5°	654.3
23°	649.5
24°	640.4
25°	630.8
26°	623.3
27°	612.7
28°	602.0
29°	589.2
30°	574.2
32.5°	521.9
35°	448.1
37.5°	361.1
40°	272.4
42.5°	194.4
45°	131.4
47.5°	86.5
50°	55.6
52.5°	34.7
55°	18.2
57.5°	5.9
60°	1.6
62.5°	1.1
65°	1.1



TEST NUMBER: P495004

CATALOG NUMBER: LDA2B108035R70D010 2LBDL1B

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)