

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: P495435

Luminaire Tested: **LDA2B108050R70D010 2LBD1WMH**

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: P495435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B108050R70D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

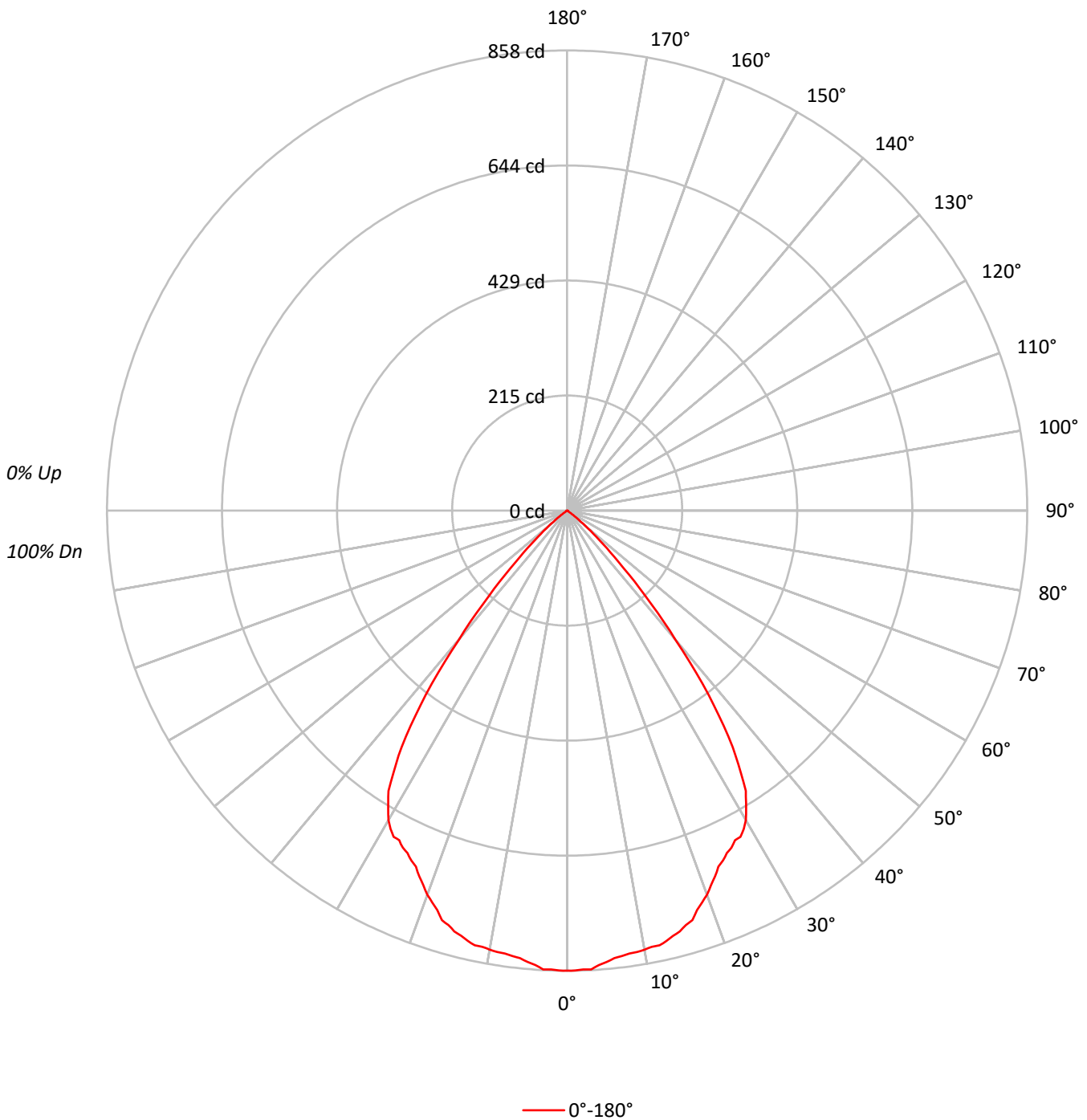
Lumens per Lamp: N/A
Luminaire Lumens: 1083.3 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P495435

CATALOG NUMBER: LDA2B108050R70D010 2LBD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P495435

CATALOG NUMBER: LDA2B108050R70D010 2LBD1WMH

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	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423206
5°	418533
10°	416459
15°	414997
20°	400226
25°	383668
30°	379809
35°	324390
40°	202421
45°	93634
50°	33925
55°	2408
60°	1085
65°	1284
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P495435

CATALOG NUMBER: LDA2B108050R70D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	7.4
10°-20°	227.6	21.0
20°-30°	327.2	30.2
30°-40°	322.6	29.8
40°-50°	114.9	10.6
50°-60°	9.5	0.9
60°-70°	0.9	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°	635.0	58.6
0°-40°	957.5	88.4
0°-60°	1082.0	99.9
0°-90°	1083.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	858	
5°	845	80
15°	812	228
25°	705	327
35°	539	323
45°	134	115
55°	3	9
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P495435

CATALOG NUMBER: LDA2B108050R70D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	857.8
1°	857.8
2°	856.2
3°	856.7
4°	849.5
5°	845.1
6°	839.0
7°	836.8
8°	834.1
9°	833.5
10°	831.3
11°	828.6
12°	828.6
13°	823.6
14°	817.0
15°	812.5
16°	803.7
17°	798.7
18°	783.3
19°	772.8
20°	762.3
21°	748.5
22.5°	729.1
23°	721.4
24°	714.2
25°	704.8
26°	699.3
27°	689.9
28°	688.8
29°	678.9
30°	666.7
32.5°	619.8
35°	538.6
37.5°	433.1
40°	314.3
42.5°	214.9
45°	134.2
47.5°	80.1
50°	44.2
52.5°	16.6
55°	2.8
57.5°	1.7
60°	1.1
62.5°	1.1
65°	1.1



TEST NUMBER: P495435

CATALOG NUMBER: LDA2B108050R70D010 2LBD1WMH

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)