

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: P493916

Luminaire Tested: **LDA2B059050R70D010 2LBD1H**

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: P493916
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: LDA2B059050R70D010 2LBD1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

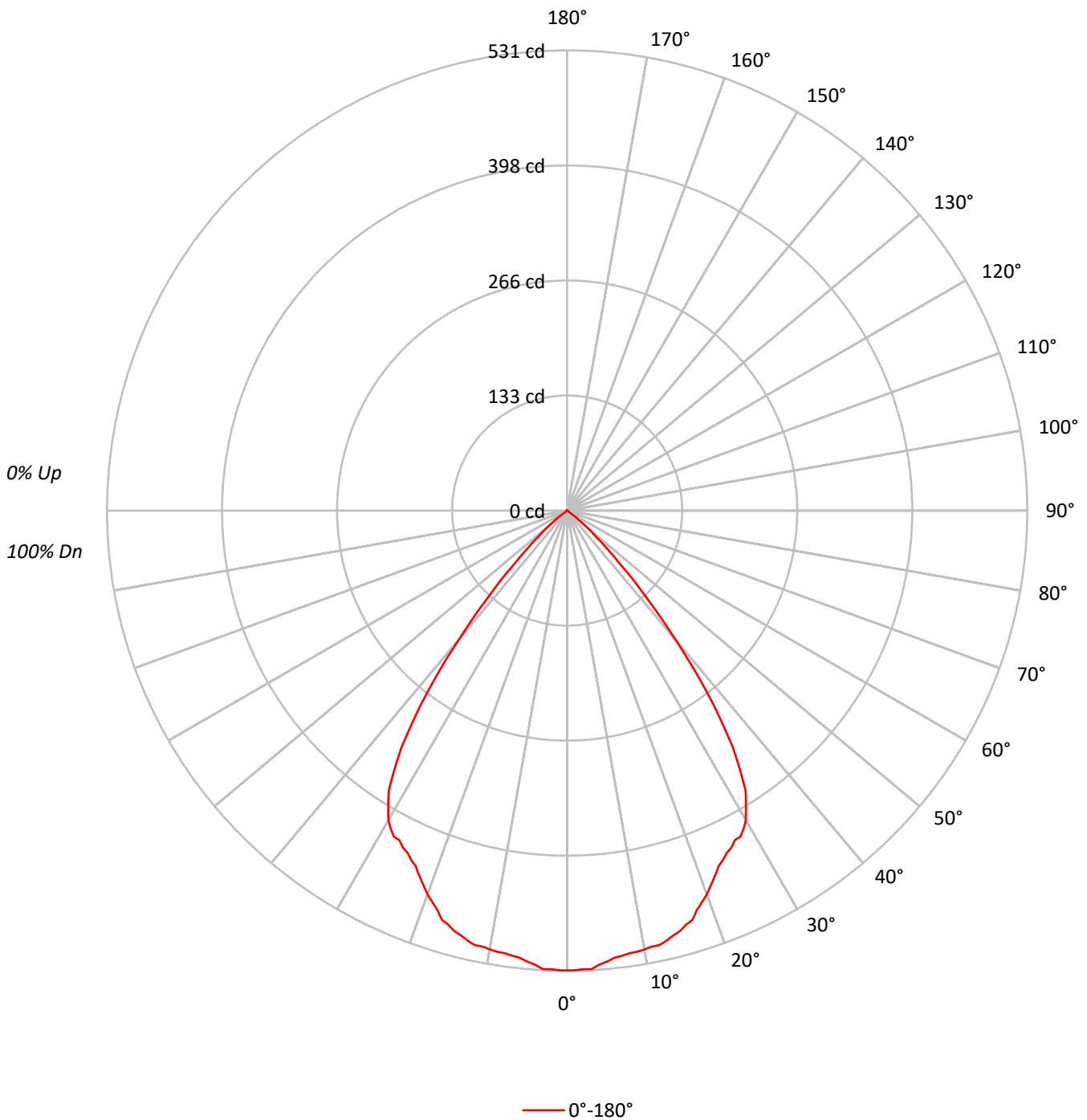
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 669.9 lumens
Efficiency: N/A
Efficacy: 95.7 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): 7
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

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Luminous Intensity Polar Plot





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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78				78
4	95	87	81	77	93	86	81	76	84	79	75	82	78	74	80	76	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	54	52				52
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	261778
5°	258865
10°	257600
15°	256711
20°	247549
25°	237288
30°	234938
35°	200621
40°	125201
45°	57911
50°	20954
55°	1462
60°	691
65°	817
70°	433
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	7.4
10°-20°	140.8	21.0
20°-30°	202.4	30.2
30°-40°	199.5	29.8
40°-50°	71.1	10.6
50°-60°	5.8	0.9
60°-70°	0.5	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°	392.7	58.6
0°-40°	592.2	88.4
0°-60°	669.1	99.9
0°-90°	669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	531	
5°	523	50
15°	503	141
25°	436	202
35°	333	199
45°	83	71
55°	2	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	530.6
1°	530.6
2°	529.6
3°	529.9
4°	525.5
5°	522.7
6°	519.0
7°	517.6
8°	515.9
9°	515.5
10°	514.2
11°	512.5
12°	512.5
13°	509.4
14°	505.3
15°	502.6
16°	497.1
17°	494.0
18°	484.5
19°	478.0
20°	471.5
21°	462.9
22.5°	451.0
23°	446.2
24°	441.7
25°	435.9
26°	432.5
27°	426.7
28°	426.0
29°	419.9
30°	412.4
32.5°	383.3
35°	333.1
37.5°	267.8
40°	194.4
42.5°	132.9
45°	83.0
47.5°	49.5
50°	27.3
52.5°	10.2
55°	1.7
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)