

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: P491770

Luminaire Tested: **LDA2B058027R70D010 2LBDL1MW**

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: P491770
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: LDA2B058027R70D010 2LBDL1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

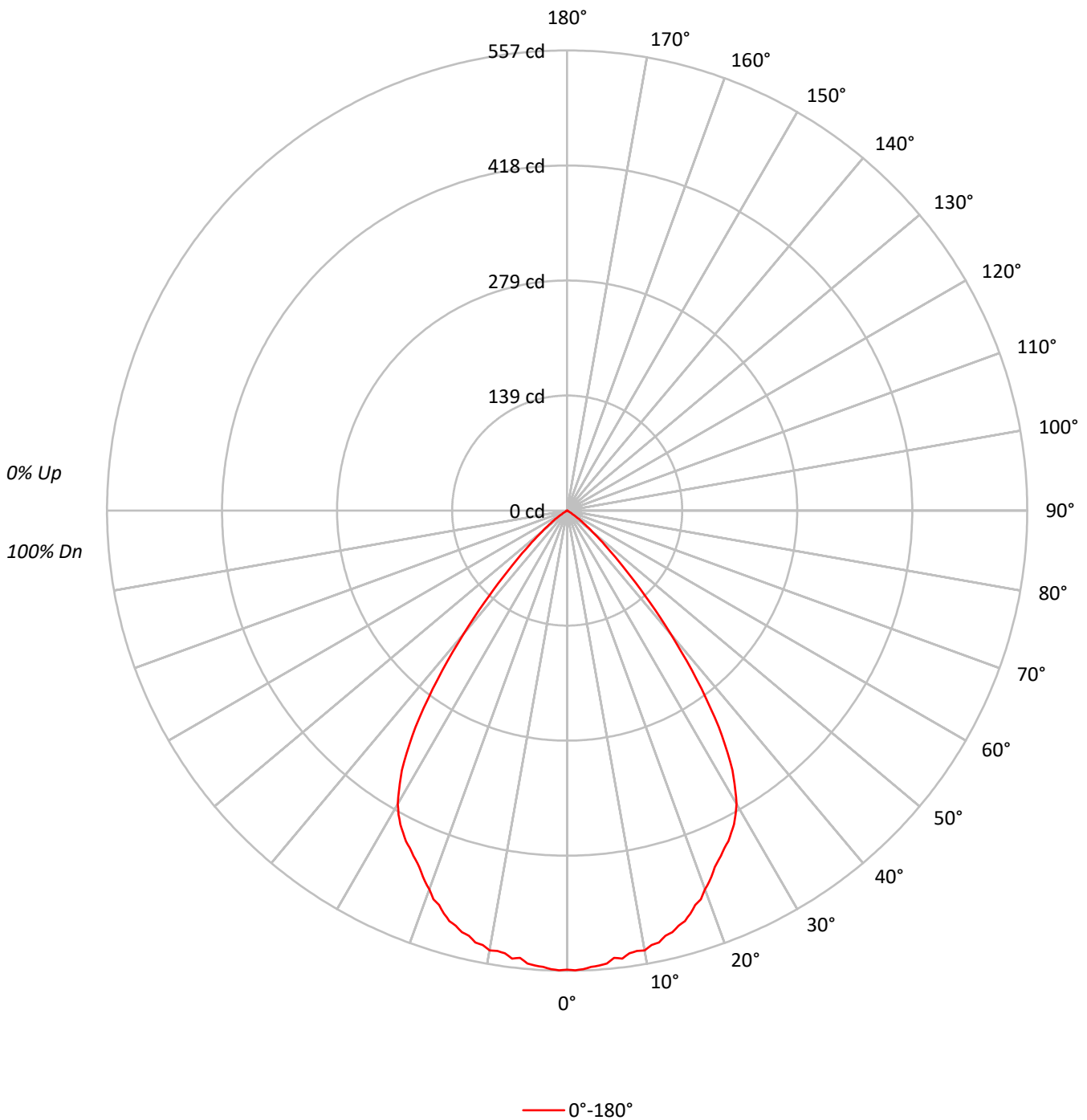
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 692.7 lumens
Efficiency: N/A
Efficacy: 99.0 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): 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	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	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93					93			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78					78			
4	95	87	81	76	93	86	80	76	84	79	75	81	77	74	80	76	73	72					72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66					66			
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61					61			
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56					56			
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52					52			
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48					48			
10	68	57	51	46	66	57	50	46	56	50	46	55	50	46	54	49	46	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274210
5°	272633
10°	270826
15°	265802
20°	256160
25°	245291
30°	233628
35°	192791
40°	125330
45°	65446
50°	30471
55°	11182
60°	1085
65°	934
70°	577
75°	762
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	7.5
10°-20°	146.2	21.1
20°-30°	207.6	30.0
30°-40°	194.1	28.0
40°-50°	78.1	11.3
50°-60°	13.7	2.0
60°-70°	0.7	0.1
70°-80°	0.4	0.1
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°	405.9	58.6
0°-40°	599.9	86.6
0°-60°	691.7	99.8
0°-90°	692.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	692.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	556	
5°	550	52
15°	520	146
25°	451	208
35°	320	194
45°	94	78
55°	13	14
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	555.8
1°	556.6
2°	555.5
3°	553.2
4°	552.0
5°	550.5
6°	544.4
7°	546.3
8°	541.0
9°	539.8
10°	540.6
11°	535.6
12°	534.5
13°	528.4
14°	526.1
15°	520.4
16°	516.9
17°	510.1
18°	502.1
19°	497.5
20°	487.9
21°	480.7
22.5°	467.3
23°	463.9
24°	457.4
25°	450.6
26°	445.2
27°	437.6
28°	430.0
29°	420.8
30°	410.1
32.5°	372.7
35°	320.1
37.5°	257.9
40°	194.6
42.5°	138.9
45°	93.8
47.5°	61.8
50°	39.7
52.5°	24.8
55°	13.0
57.5°	4.2
60°	1.1
62.5°	0.8
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)