

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: P492247

Luminaire Tested: **LDA2B058040R20D010 2LBDLC1MB**

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: P492247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058040R20D010 2LBDLC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

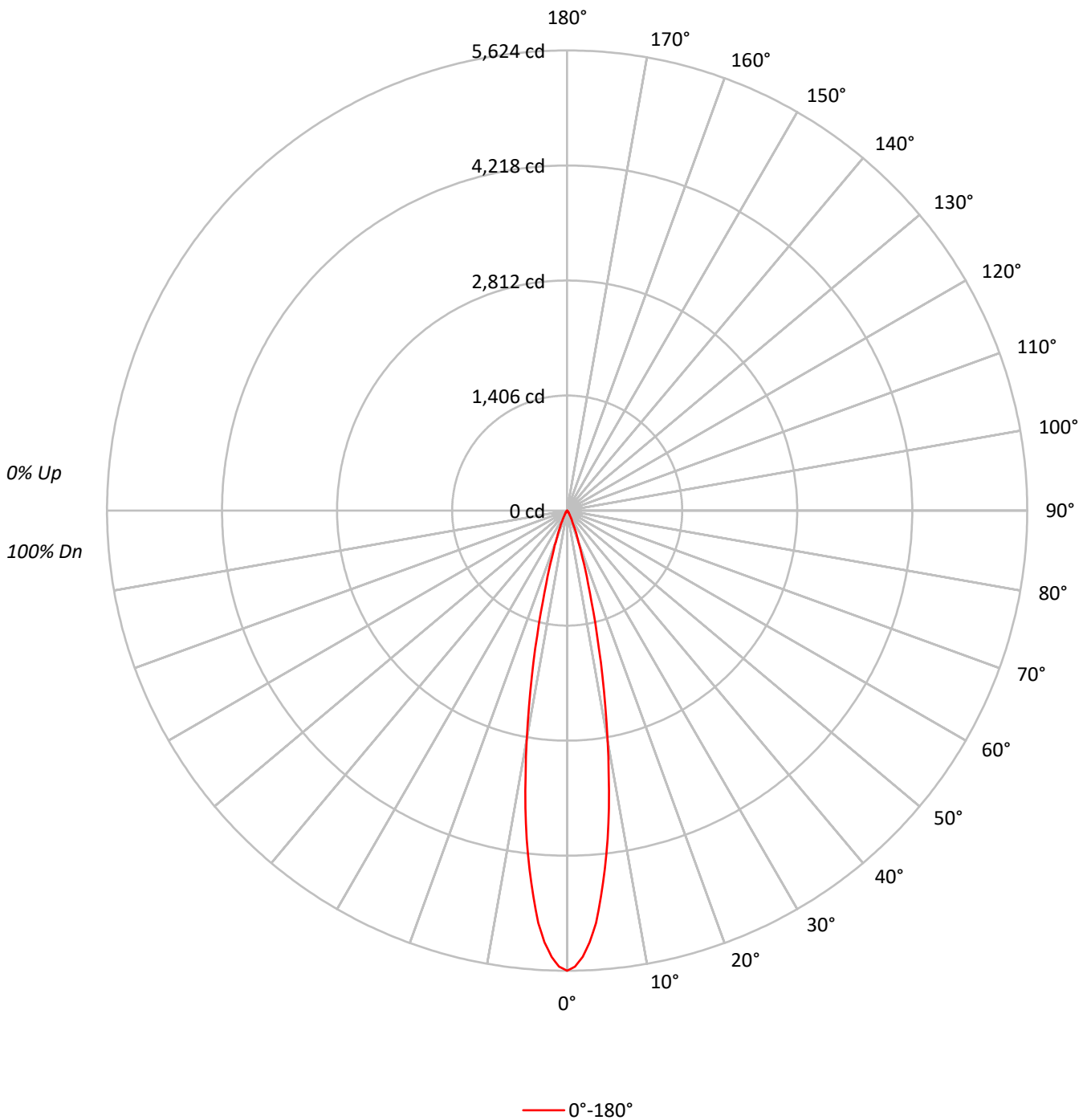
Lumens per Lamp: N/A
Luminaire Lumens: 839.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	104	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	90		94	92	90		93	91	89	88
6	101	95	91	89	100	95	91	88	93	90	88		92	89	87		91	89	87	86
7	98	93	89	86	97	92	89	86	91	88	86		90	87	85		89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84		88	85	83		87	85	83	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	81
10	92	86	83	80	91	86	83	80	85	82	80		85	82	80		84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2774716
5°	2345289
10°	1429025
15°	587891
20°	211690
25°	84866
30°	38568
35°	18129
40°	9596
45°	5163
50°	2993
55°	1462
60°	888
65°	467
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.6	46.5
10°-20°	337.9	40.3
20°-30°	81.4	9.7
30°-40°	20.9	2.5
40°-50°	6.3	0.7
50°-60°	1.8	0.2
60°-70°	0.4	0.0
70°-80°	0.0	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°	809.9	96.5
0°-40°	830.8	99.0
0°-60°	838.9	100.0
0°-90°	839.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5624	
5°	4736	391
15°	1151	338
25°	156	81
35°	30	21
45°	7	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5624.1
1°	5575.2
2°	5458.6
3°	5281.2
4°	5052.8
5°	4735.6
6°	4408.0
7°	4046.3
8°	3670.6
9°	3249.1
10°	2852.5
11°	2437.9
12°	2074.5
13°	1730.7
14°	1415.3
15°	1151.0
16°	932.6
17°	753.1
18°	607.6
19°	499.7
20°	403.2
22.5°	248.6
25°	155.9
27.5°	101.3
30°	67.7
32.5°	44.6
35°	30.1
37.5°	21.0
40°	14.9
42.5°	10.5
45°	7.4
47.5°	5.7
50°	3.9
52.5°	2.6
55°	1.7
57.5°	1.3
60°	0.9
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)