

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: P493086

Luminaire Tested: **LDA2B059030R20D010 2LBD1MW**

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: P493086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059030R20D010 2LBD1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

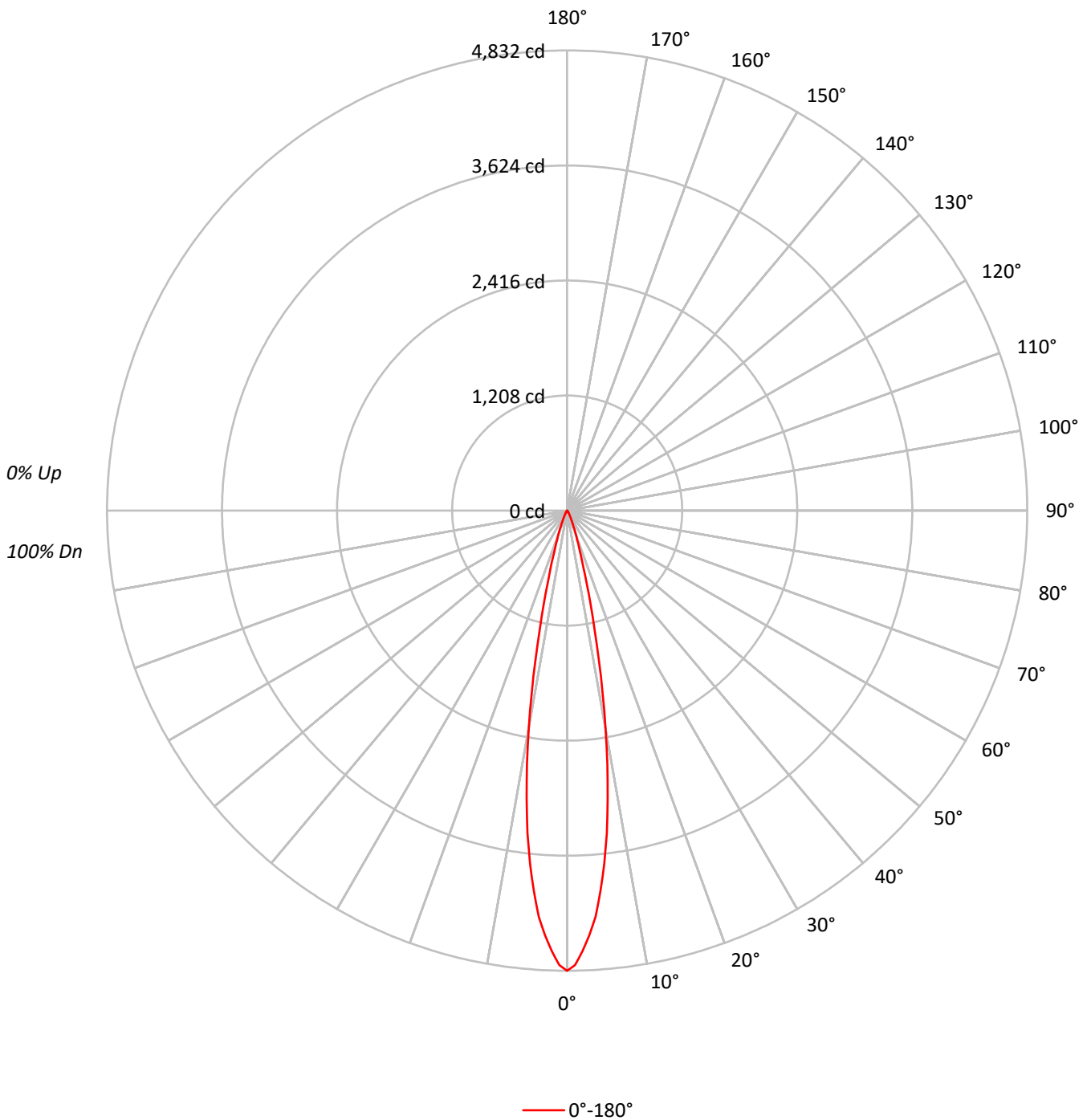
Lumens per Lamp: N/A
Luminaire Lumens: 643.3 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	96	98	
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	94	93	95	
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	91	93	
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	89	91	
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	87	89	
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	86	85	87	
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	85	84	86	
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	82	84	
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	82	81	80	82	
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	79	81	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2384171
5°	1986433
10°	1164962
15°	408051
20°	137346
25°	52912
30°	24326
35°	10781
40°	5281
45°	3070
50°	1689
55°	516
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	51.0
10°-20°	246.4	38.3
20°-30°	51.8	8.0
30°-40°	12.4	1.9
40°-50°	3.6	0.6
50°-60°	0.8	0.1
60°-70°	0.2	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°	626.3	97.4
0°-40°	638.8	99.3
0°-60°	643.1	100.0
0°-90°	643.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	643.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4832	
5°	4011	328
15°	799	246
25°	97	52
35°	18	12
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4832.5
1°	4773.5
2°	4629.2
3°	4463.0
4°	4277.0
5°	4011.0
6°	3728.7
7°	3415.4
8°	3057.5
9°	2696.2
10°	2325.4
11°	1944.0
12°	1608.1
13°	1280.3
14°	1019.1
15°	798.9
16°	626.7
17°	494.3
18°	397.4
19°	322.1
20°	261.6
22.5°	158.7
25°	97.2
27.5°	63.7
30°	42.7
32.5°	26.0
35°	17.9
37.5°	12.2
40°	8.2
42.5°	6.0
45°	4.4
47.5°	3.1
50°	2.2
52.5°	1.3
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
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)