

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: P494039

Luminaire Tested: **LDA2B059727R35D010 2LBDC1MB**

Issue Date: 3/12/2021

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: P494039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059727R35D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

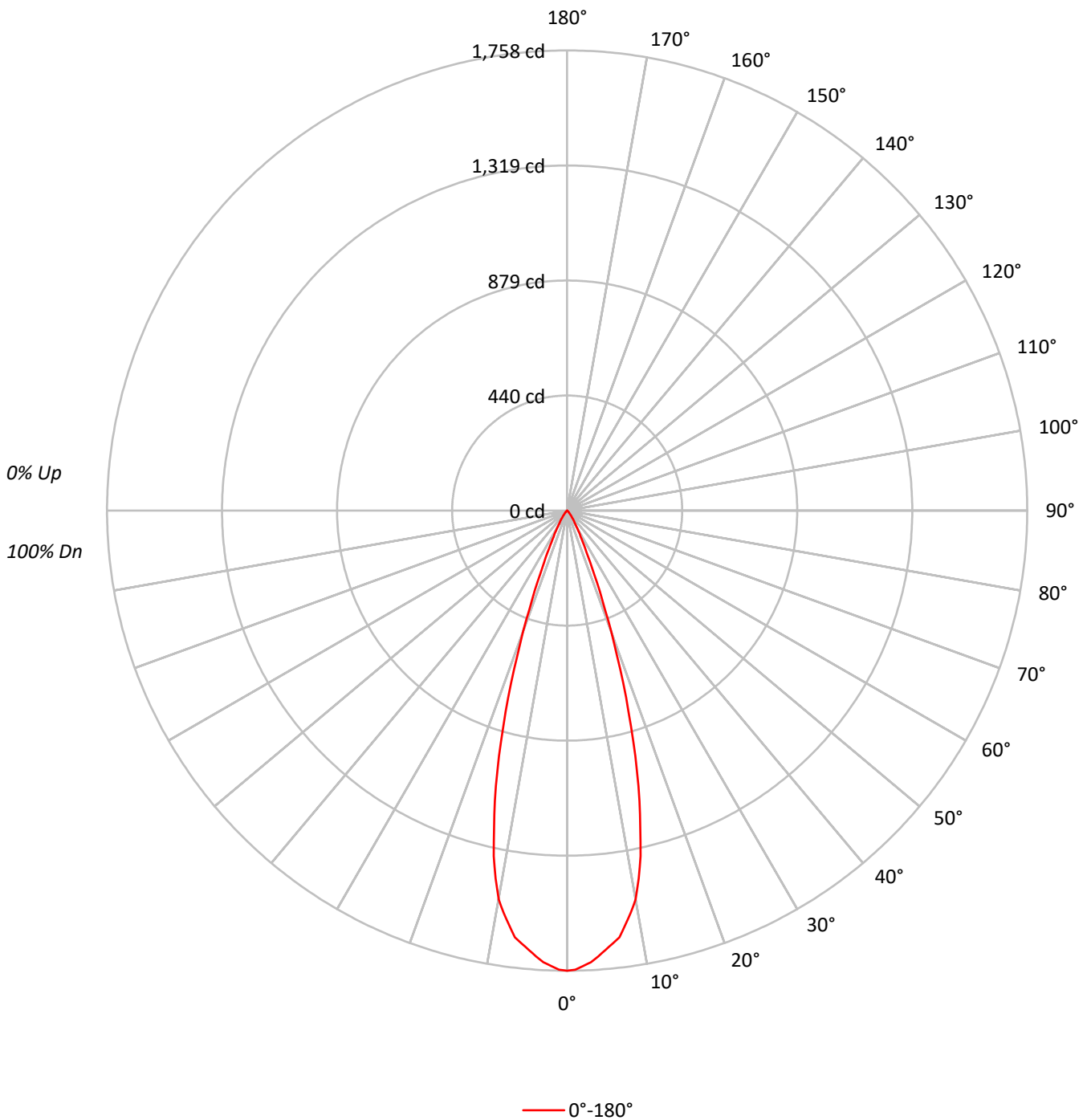
Lumens per Lamp: N/A
Luminaire Lumens: 551.9 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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

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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	111	109	112	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98		100	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	867330
5°	834342
10°	755617
15°	525987
20°	257787
25°	96135
30°	42214
35°	20538
40°	9403
45°	5093
50°	2456
55°	688
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	28.2
10°-20°	272.9	49.4
20°-30°	93.0	16.8
30°-40°	23.1	4.2
40°-50°	5.9	1.1
50°-60°	1.1	0.2
60°-70°	0.3	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°	521.5	94.5
0°-40°	544.6	98.7
0°-60°	551.6	100.0
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1758	
5°	1685	156
15°	1030	273
25°	177	93
35°	34	23
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1758.0
1°	1754.5
2°	1741.0
3°	1728.0
4°	1707.2
5°	1684.7
6°	1662.8
7°	1642.2
8°	1597.9
9°	1554.9
10°	1508.3
11°	1432.1
12°	1349.3
13°	1242.7
14°	1144.0
15°	1029.8
16°	918.4
17°	802.3
18°	693.9
19°	584.0
20°	491.0
21°	402.2
22.5°	295.1
23°	265.1
24°	216.4
25°	176.6
26°	146.1
27°	122.0
28°	102.8
29°	86.8
30°	74.1
32.5°	50.3
35°	34.1
37.5°	23.0
40°	14.6
42.5°	10.0
45°	7.3
47.5°	5.1
50°	3.2
52.5°	1.9
55°	0.8
57.5°	0.5
60°	0.3
62.5°	0.3
65°	0.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)