

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: P492927

Luminaire Tested: **LDA2B059027R30D010 2LBDL1MMS**

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: P492927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059027R30D010 2LBDL1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

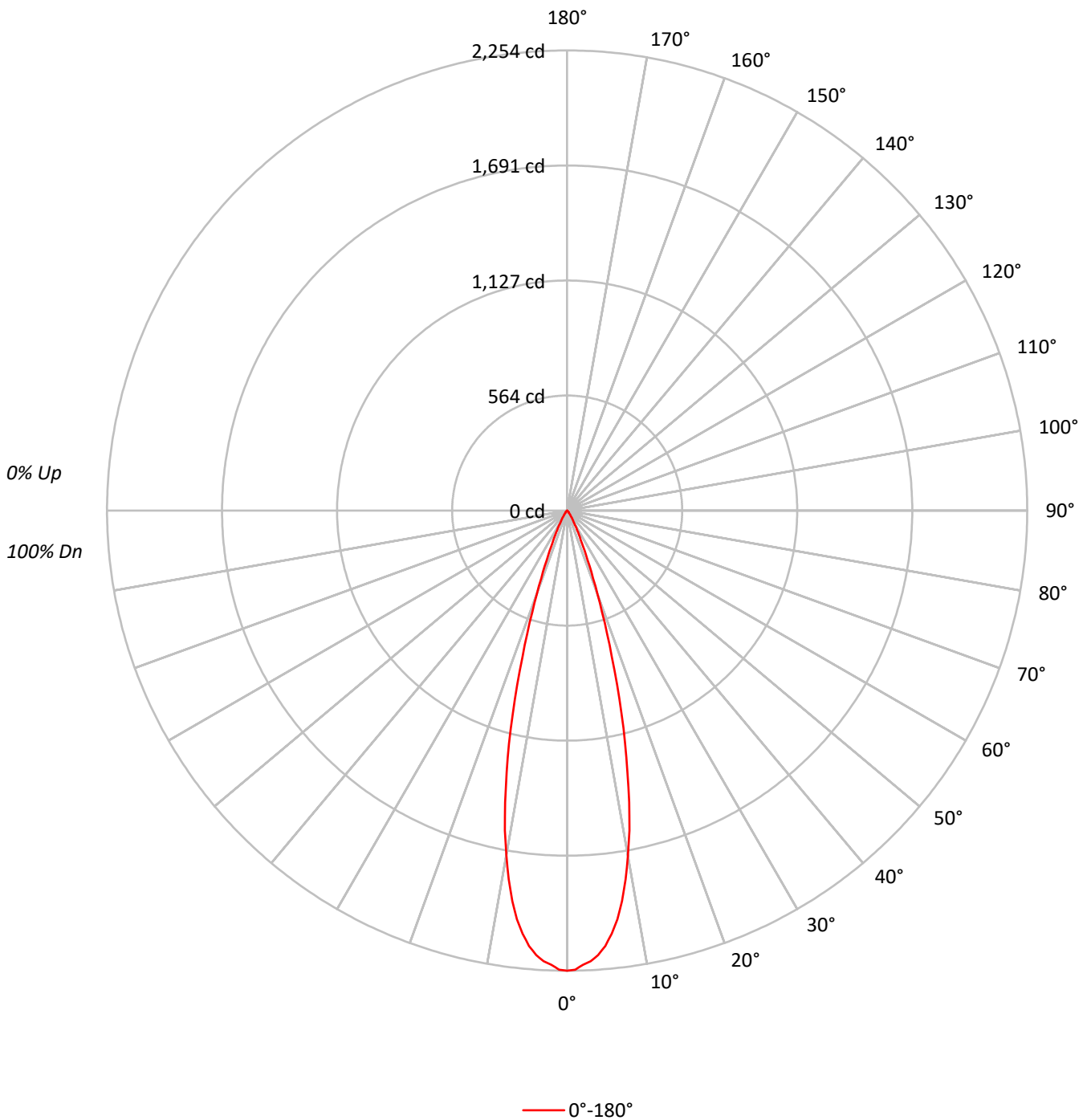
Lumens per Lamp: N/A
Luminaire Lumens: 573.8 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	100	100	100	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	96	95	93	93	93		
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	95	93	92	92	92	92		
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	92	95	93	92	92	92	92		
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87	92	90	89	87	87	87		
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85	90	88	86	85	85	85		
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	88	85	83	82	82	82		
7	96	89	85	82	95	89	85	82	87	84	81	86	83	81	85	83	81	80	85	83	81	80	80	80		
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	81	78	77	83	81	78	77	77	77		
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75	81	78	76	75	75	75		
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73	79	76	74	73	73	73		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1111988
5°	1060223
10°	859819
15°	525629
20°	229646
25°	85901
30°	35605
35°	16683
40°	7728
45°	3768
50°	2072
55°	774
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	33.3
10°-20°	275.7	48.1
20°-30°	82.3	14.3
30°-40°	18.9	3.3
40°-50°	4.6	0.8
50°-60°	1.1	0.2
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°	549.0	95.7
0°-40°	567.9	99.0
0°-60°	573.6	100.0
0°-90°	573.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2254	
5°	2141	191
15°	1029	276
25°	158	82
35°	28	19
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2253.9
1°	2248.8
2°	2225.9
3°	2210.6
4°	2182.0
5°	2140.8
6°	2084.6
7°	2017.6
8°	1932.2
9°	1828.2
10°	1716.3
11°	1596.7
12°	1460.8
13°	1314.7
14°	1175.8
15°	1029.1
16°	887.2
17°	747.4
18°	634.6
19°	525.2
20°	437.4
21°	354.5
22.5°	262.8
23°	236.9
24°	193.9
25°	157.8
26°	129.6
27°	107.9
28°	89.0
29°	74.6
30°	62.5
32.5°	40.9
35°	27.7
37.5°	18.3
40°	12.0
42.5°	7.8
45°	5.4
47.5°	3.9
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.6
60°	0.3
62.5°	0.3
65°	0.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
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)