

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: P493016

Luminaire Tested: **LDA2B059027R60D010 2LBDL1H**

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: P493016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059027R60D010 2LBDL1H
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

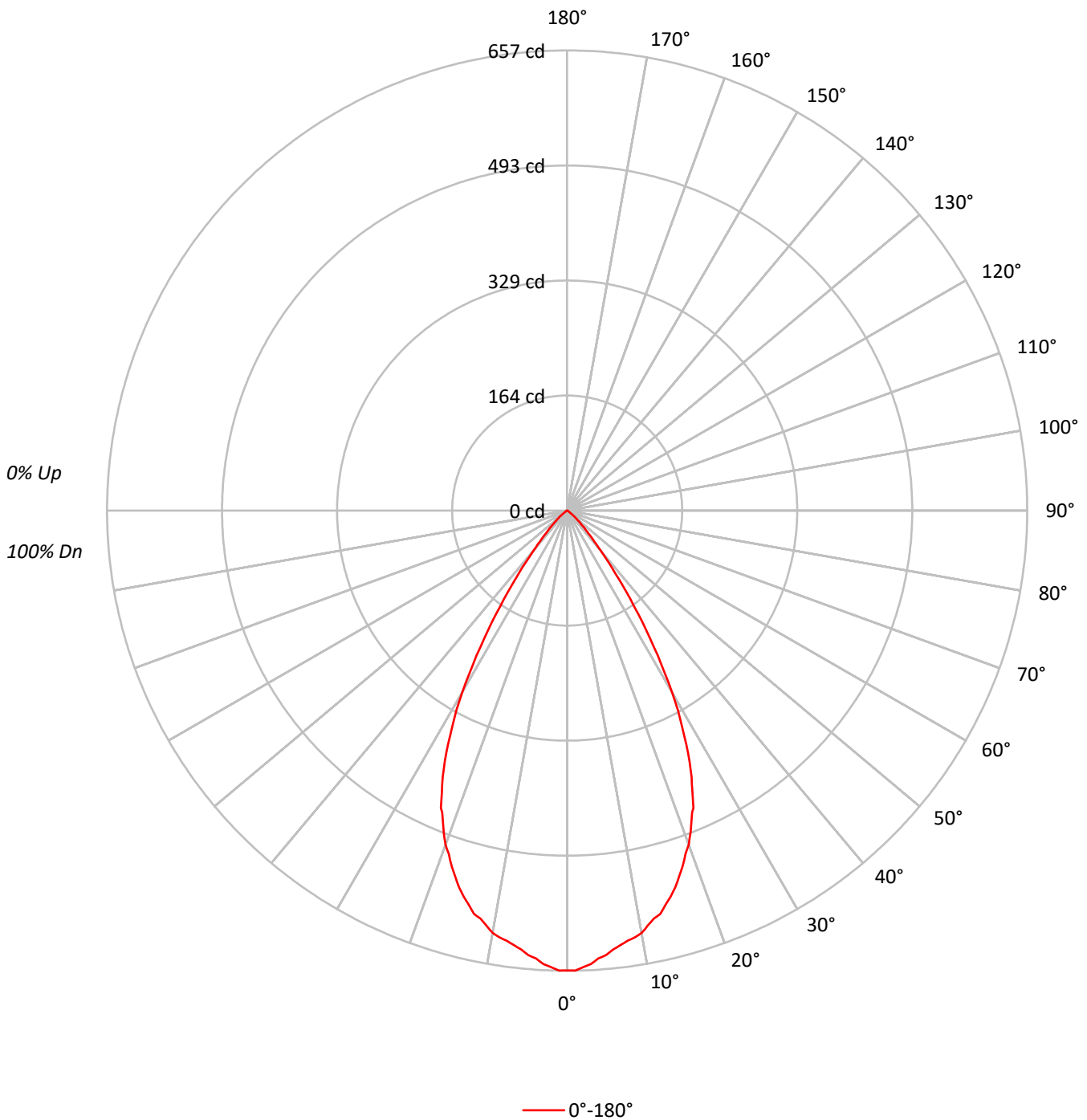
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 547.3 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323941
5°	315521
10°	306796
15°	291596
20°	266450
25°	228796
30°	170222
35°	99979
40°	47659
45°	22257
50°	11052
55°	3871
60°	888
65°	700
70°	433
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	11.0
10°-20°	158.9	29.0
20°-30°	188.6	34.5
30°-40°	106.5	19.5
40°-50°	27.7	5.1
50°-60°	5.0	0.9
60°-70°	0.5	0.1
70°-80°	0.2	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°	407.4	74.4
0°-40°	513.9	93.9
0°-60°	546.6	99.9
0°-90°	547.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	657	
5°	637	60
15°	571	159
25°	420	189
35°	166	106
45°	32	28
55°	4	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	656.6
1°	656.9
2°	652.4
3°	648.5
4°	641.0
5°	637.1
6°	630.1
7°	625.0
8°	620.2
9°	616.9
10°	612.4
11°	603.7
12°	595.6
13°	591.1
14°	580.5
15°	570.9
16°	559.8
17°	546.6
18°	533.9
19°	518.9
20°	507.5
21°	491.8
22.5°	466.0
23°	461.5
24°	439.5
25°	420.3
26°	398.9
27°	374.3
28°	349.9
29°	326.2
30°	298.8
32.5°	230.0
35°	166.0
37.5°	113.3
40°	74.0
42.5°	48.4
45°	31.9
47.5°	21.6
50°	14.4
52.5°	9.0
55°	4.5
57.5°	1.8
60°	0.9
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)