

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: P491927

Luminaire Tested: **LDA2B058030R60D010 2LBD1LI**

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: P491927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058030R60D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

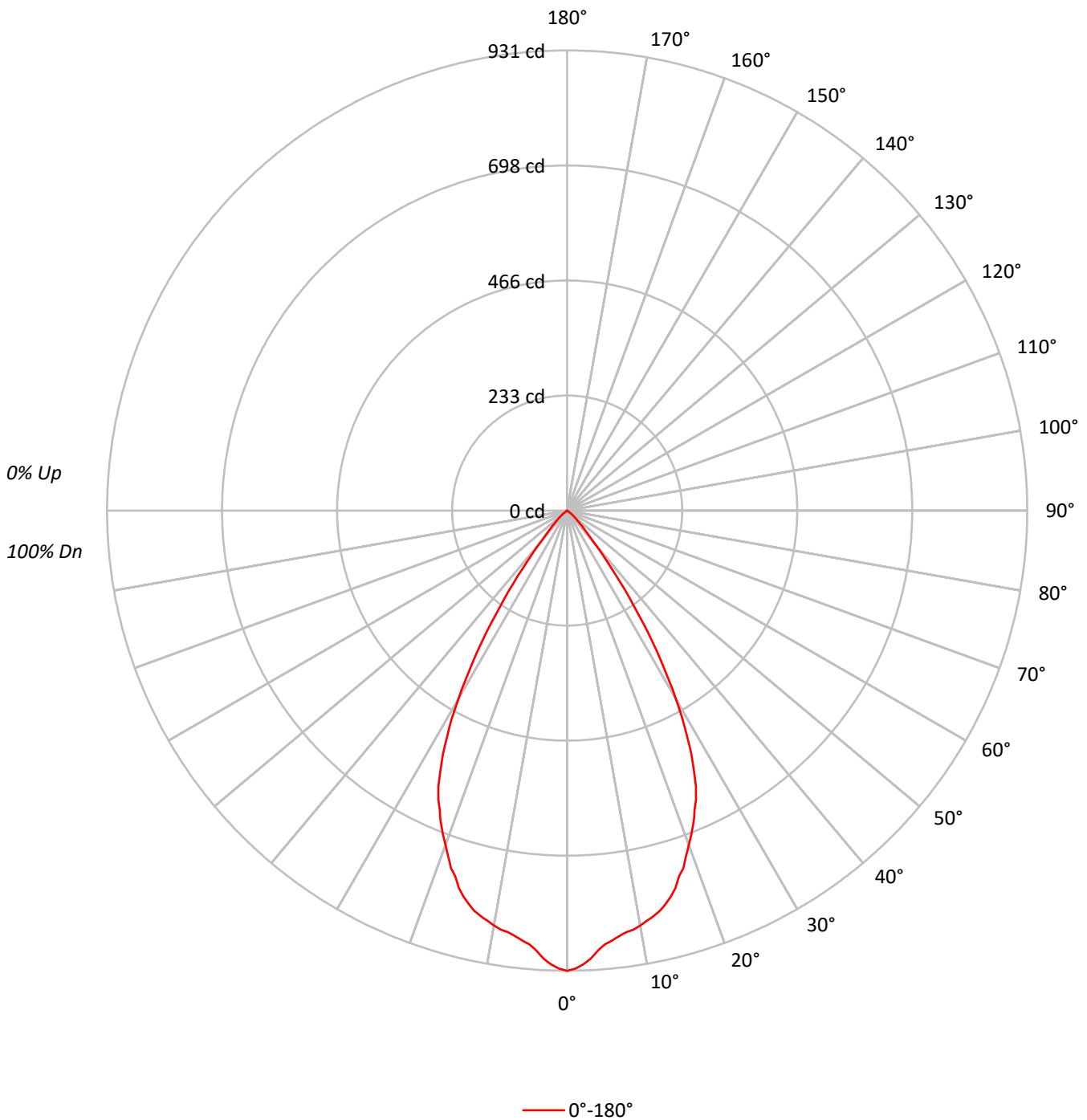
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 767.5 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
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

TEST NUMBER: P491927
CATALOG NUMBER: LDA2B058030R60D010 2LBD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P491927

CATALOG NUMBER: LDA2B058030R60D010 2LBD1LI

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	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	66	74	69	65		73	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459468
5°	436213
10°	427029
15°	413312
20°	377913
25°	335492
30°	251003
35°	141717
40°	53326
45°	23862
50°	11667
55°	2322
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P491927

CATALOG NUMBER: LDA2B058030R60D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	10.9
10°-20°	224.8	29.3
20°-30°	274.6	35.8
30°-40°	149.8	19.5
40°-50°	30.0	3.9
50°-60°	4.3	0.6
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°	582.7	75.9
0°-40°	732.5	95.4
0°-60°	766.8	99.9
0°-90°	767.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	931	
5°	881	83
15°	809	225
25°	616	275
35°	235	150
45°	34	30
55°	3	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P491927

CATALOG NUMBER: LDA2B058030R60D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	931.3
1°	927.0
2°	918.9
3°	908.0
4°	892.4
5°	880.8
6°	874.5
7°	867.1
8°	861.3
9°	858.6
10°	852.4
11°	845.4
12°	839.2
13°	831.8
14°	820.9
15°	809.2
16°	794.4
17°	773.8
18°	760.6
19°	739.2
20°	719.8
21°	701.9
22.5°	671.9
23°	659.5
24°	640.4
25°	616.3
26°	585.6
27°	553.3
28°	516.4
29°	481.4
30°	440.6
32.5°	337.9
35°	235.3
37.5°	147.4
40°	82.8
42.5°	51.7
45°	34.2
47.5°	23.3
50°	15.2
52.5°	7.8
55°	2.7
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4



TEST NUMBER: P491927

CATALOG NUMBER: LDA2B058030R60D010 2LBD1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)