

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: P492574

Luminaire Tested: **LDA2B058050R60D010 2LBD1H**

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: P492574
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: LDA2B058050R60D010 2LBD1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

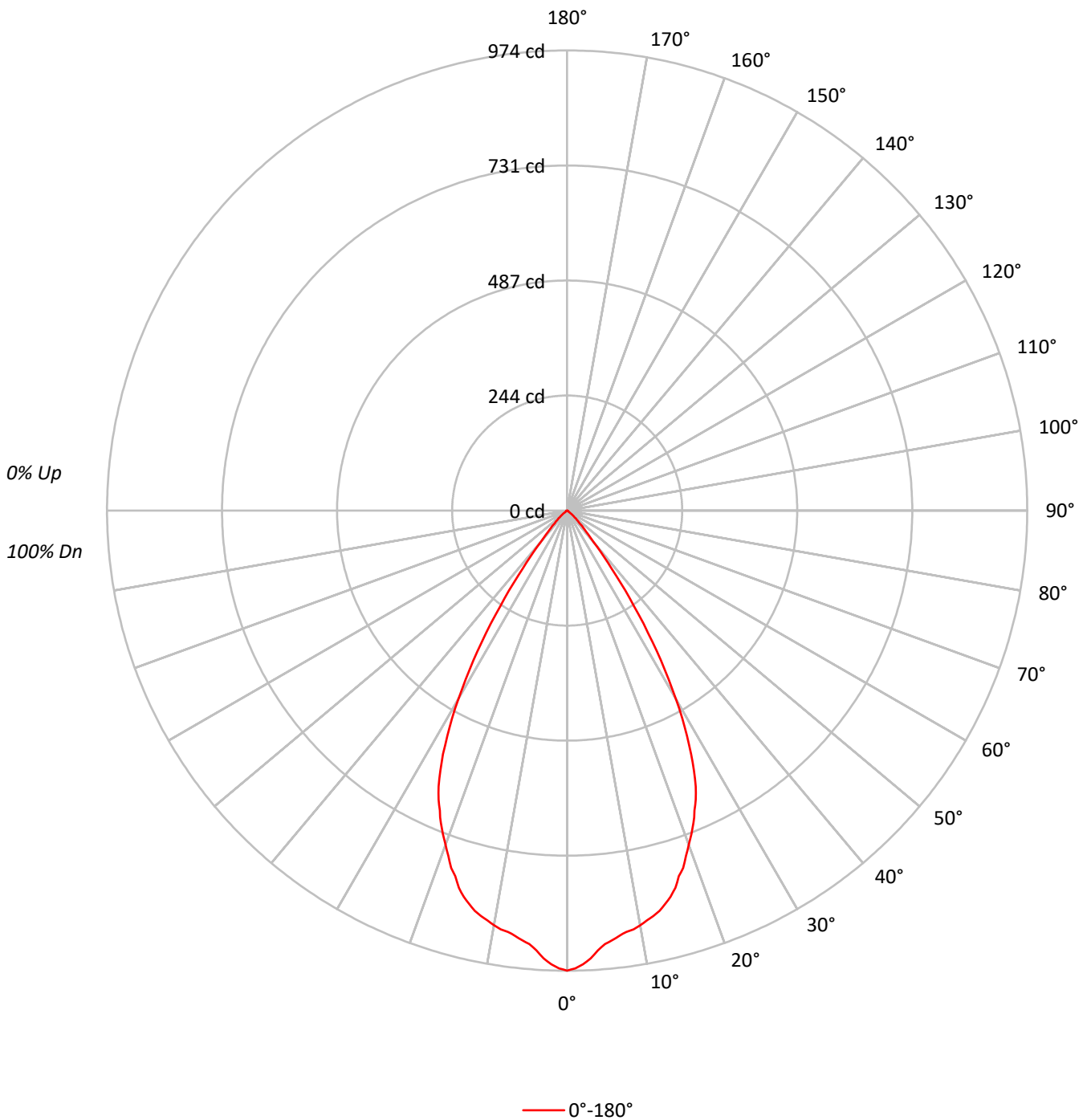
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 802.4 lumens
Efficiency: N/A
Efficacy: 114.6 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 (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

TEST NUMBER: P492574
CATALOG NUMBER: LDA2B058050R60D010 2LBD1H

Luminous Intensity Polar Plot





TEST NUMBER: P492574

CATALOG NUMBER: LDA2B058050R60D010 2LBD1H

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°	480436
5°	456072
10°	446467
15°	432159
20°	395134
25°	350788
30°	262454
35°	148162
40°	55774
45°	24978
50°	12204
55°	2408
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P492574

CATALOG NUMBER: LDA2B058050R60D010 2LBD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	10.9
10°-20°	235.0	29.3
20°-30°	287.1	35.8
30°-40°	156.6	19.5
40°-50°	31.4	3.9
50°-60°	4.5	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°	609.3	75.9
0°-40°	765.9	95.5
0°-60°	801.7	99.9
0°-90°	802.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	974	
5°	921	87
15°	846	235
25°	644	287
35°	246	157
45°	36	31
55°	3	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P492574

CATALOG NUMBER: LDA2B058050R60D010 2LBD1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	973.8
1°	969.3
2°	960.8
3°	949.4
4°	933.1
5°	920.9
6°	914.4
7°	906.7
8°	900.6
9°	897.7
10°	891.2
11°	883.9
12°	877.4
13°	869.7
14°	858.3
15°	846.1
16°	830.7
17°	809.1
18°	795.3
19°	772.9
20°	752.6
21°	733.9
22.5°	702.6
23°	689.6
24°	669.6
25°	644.4
26°	612.3
27°	578.6
28°	539.9
29°	503.4
30°	460.7
32.5°	353.3
35°	246.0
37.5°	154.1
40°	86.6
42.5°	54.1
45°	35.8
47.5°	24.4
50°	15.9
52.5°	8.1
55°	2.8
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4



TEST NUMBER: P492574

CATALOG NUMBER: LDA2B058050R60D010 2LBD1H

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)