

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: P499497

Luminaire Tested: **LDA2B159050R60D010 2LBDL1LI**

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: P499497
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: LDA2B159050R60D010 2LBDL1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

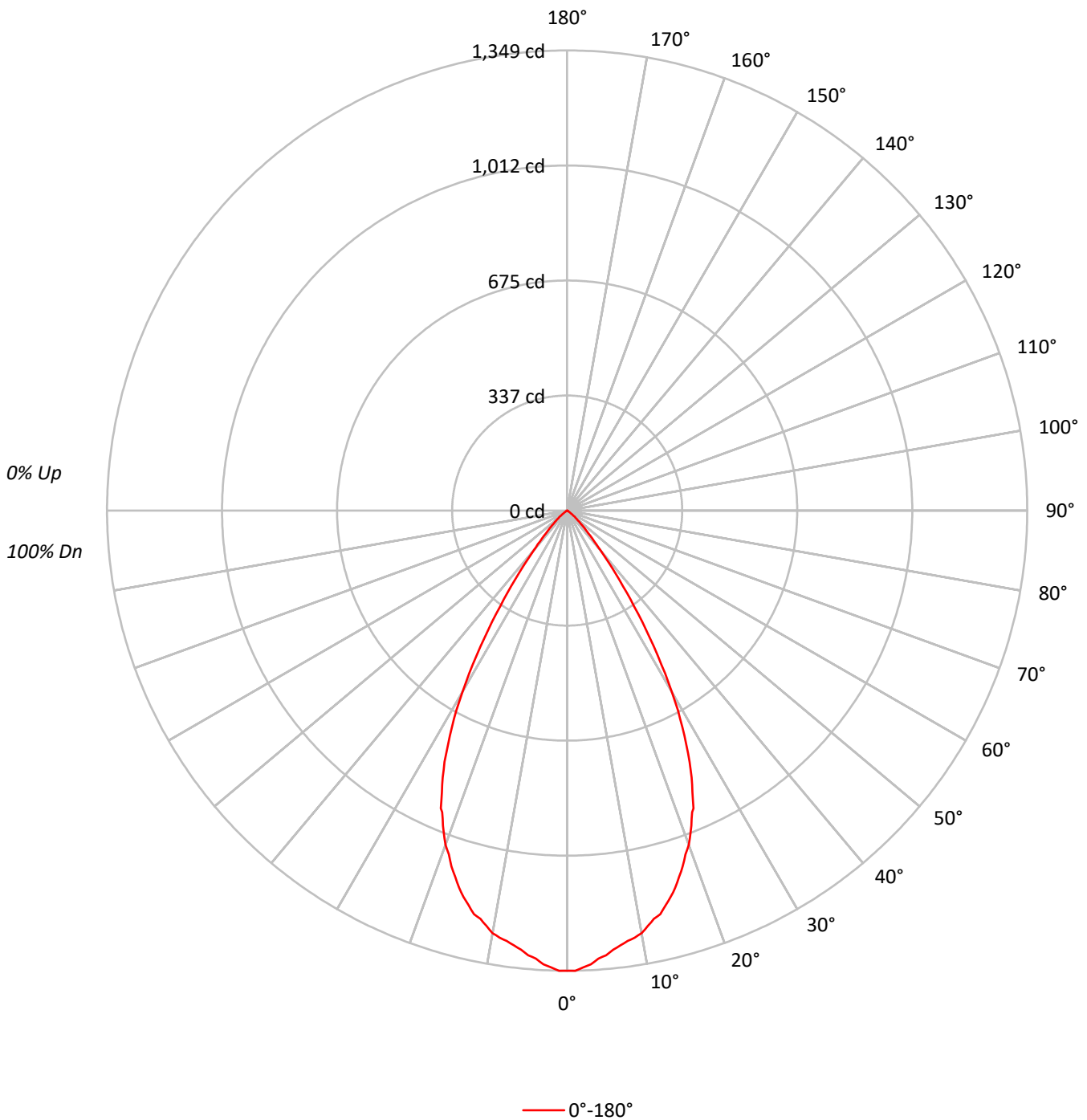
Lumens per Lamp: N/A
Luminaire Lumens: 1124.3 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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: P499497

CATALOG NUMBER: LDA2B159050R60D010 2LBDL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P499497

CATALOG NUMBER: LDA2B159050R60D010 2LBDL1LI

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°	665446
5°	648129
10°	630224
15°	599026
20°	547338
25°	470004
30°	349730
35°	205318
40°	97829
45°	45701
50°	22719
55°	7999
60°	1875
65°	1401
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P499497

CATALOG NUMBER: LDA2B159050R60D010 2LBDL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	11.0
10°-20°	326.3	29.0
20°-30°	387.5	34.5
30°-40°	218.7	19.5
40°-50°	56.9	5.1
50°-60°	10.4	0.9
60°-70°	1.0	0.1
70°-80°	0.4	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°	837.0	74.4
0°-40°	1055.7	93.9
0°-60°	1122.9	99.9
0°-90°	1124.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1349	
5°	1309	123
15°	1173	326
25°	863	387
35°	341	219
45°	66	57
55°	9	10
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P499497

CATALOG NUMBER: LDA2B159050R60D010 2LBDL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1348.8
1°	1349.4
2°	1340.2
3°	1332.1
4°	1316.7
5°	1308.7
6°	1294.5
7°	1284.0
8°	1274.1
9°	1267.3
10°	1258.0
11°	1240.1
12°	1223.4
13°	1214.2
14°	1192.6
15°	1172.8
16°	1150.0
17°	1122.8
18°	1096.8
19°	1066.0
20°	1042.5
21°	1010.4
22.5°	957.3
23°	948.0
24°	902.9
25°	863.4
26°	819.5
27°	768.9
28°	718.9
29°	670.1
30°	613.9
32.5°	472.5
35°	340.9
37.5°	232.8
40°	151.9
42.5°	99.4
45°	65.5
47.5°	44.5
50°	29.6
52.5°	18.5
55°	9.3
57.5°	3.7
60°	1.9
62.5°	1.2
65°	1.2



TEST NUMBER: P499497

CATALOG NUMBER: LDA2B159050R60D010 2LBDL1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)