

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: P497985

Luminaire Tested: **LDA2B158040R60D010 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: P497985
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: LDA2B158040R60D010 2LBDL1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

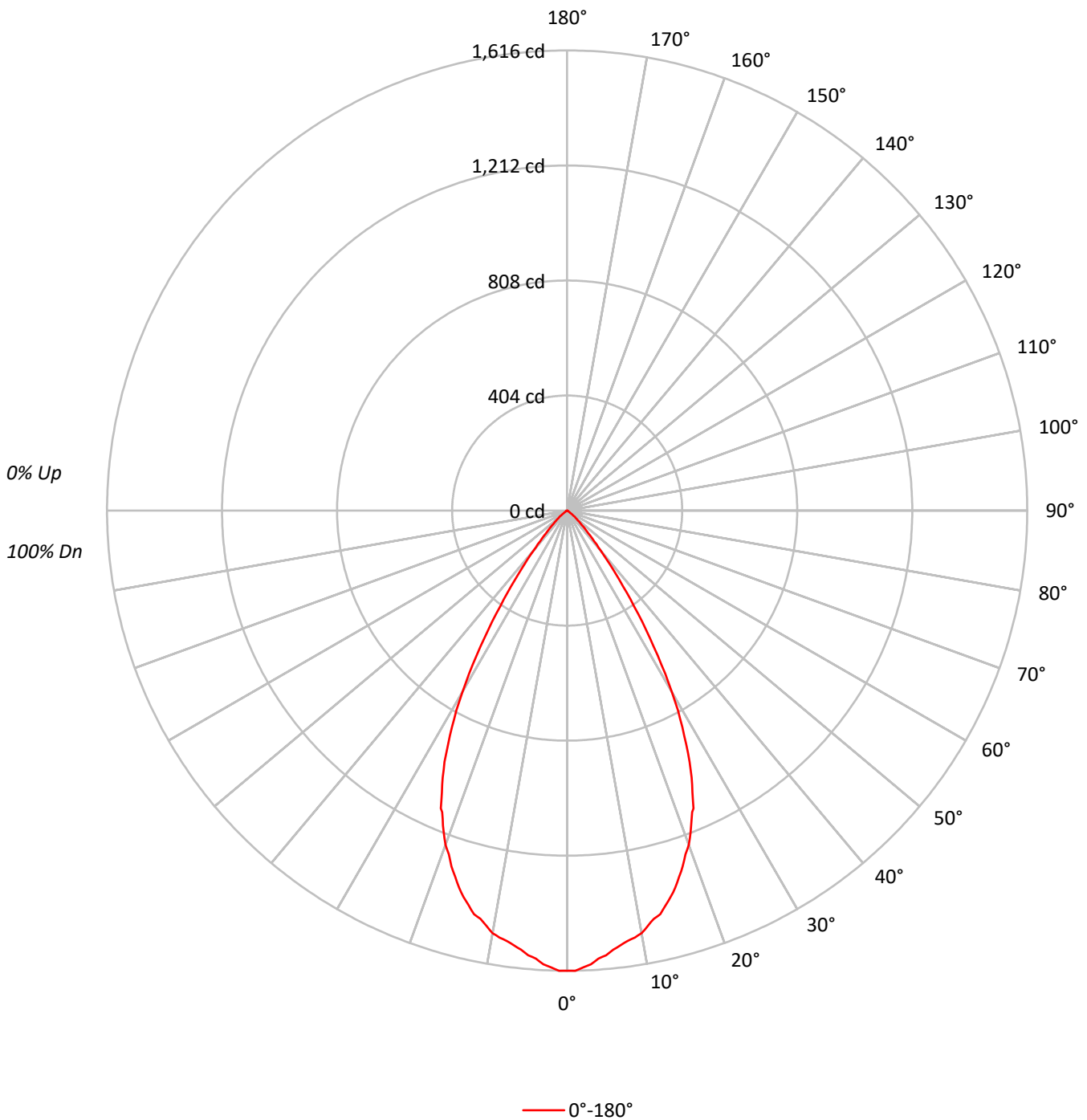
Lumens per Lamp: N/A
Luminaire Lumens: 1346.8 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P497985

CATALOG NUMBER: LDA2B158040R60D010 2LBDL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P497985

CATALOG NUMBER: LDA2B158040R60D010 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°	797125
5°	776348
10°	754966
15°	717575
20°	655651
25°	562982
30°	418946
35°	245973
40°	117215
45°	54701
50°	27247
55°	9548
60°	2171
65°	1751
70°	1010
75°	1334
80°	0
85°	0



TEST NUMBER: P497985

CATALOG NUMBER: LDA2B158040R60D010 2LBDL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	11.0
10°-20°	390.9	29.0
20°-30°	464.2	34.5
30°-40°	262.0	19.5
40°-50°	68.1	5.1
50°-60°	12.4	0.9
60°-70°	1.3	0.1
70°-80°	0.5	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°	1002.6	74.4
0°-40°	1264.6	93.9
0°-60°	1345.1	99.9
0°-90°	1346.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1616	
5°	1568	148
15°	1405	391
25°	1034	464
35°	408	262
45°	78	68
55°	11	12
65°	2	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P497985

CATALOG NUMBER: LDA2B158040R60D010 2LBDL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1615.7
1°	1616.5
2°	1605.4
3°	1595.8
4°	1577.3
5°	1567.6
6°	1550.6
7°	1538.0
8°	1526.2
9°	1518.1
10°	1507.0
11°	1485.5
12°	1465.5
13°	1454.5
14°	1428.6
15°	1404.9
16°	1377.5
17°	1345.0
18°	1313.9
19°	1276.9
20°	1248.8
21°	1210.3
22.5°	1146.7
23°	1135.6
24°	1081.6
25°	1034.2
26°	981.7
27°	921.1
28°	861.1
29°	802.7
30°	735.4
32.5°	565.9
35°	408.4
37.5°	278.9
40°	182.0
42.5°	119.1
45°	78.4
47.5°	53.3
50°	35.5
52.5°	22.2
55°	11.1
57.5°	4.4
60°	2.2
62.5°	1.5
65°	1.5



TEST NUMBER: P497985

CATALOG NUMBER: LDA2B158040R60D010 2LBDL1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)