

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: P497336

Luminaire Tested: **LDA2B158027R60D010 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: P497336
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: LDA2B158027R60D010 2LBDL1H
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

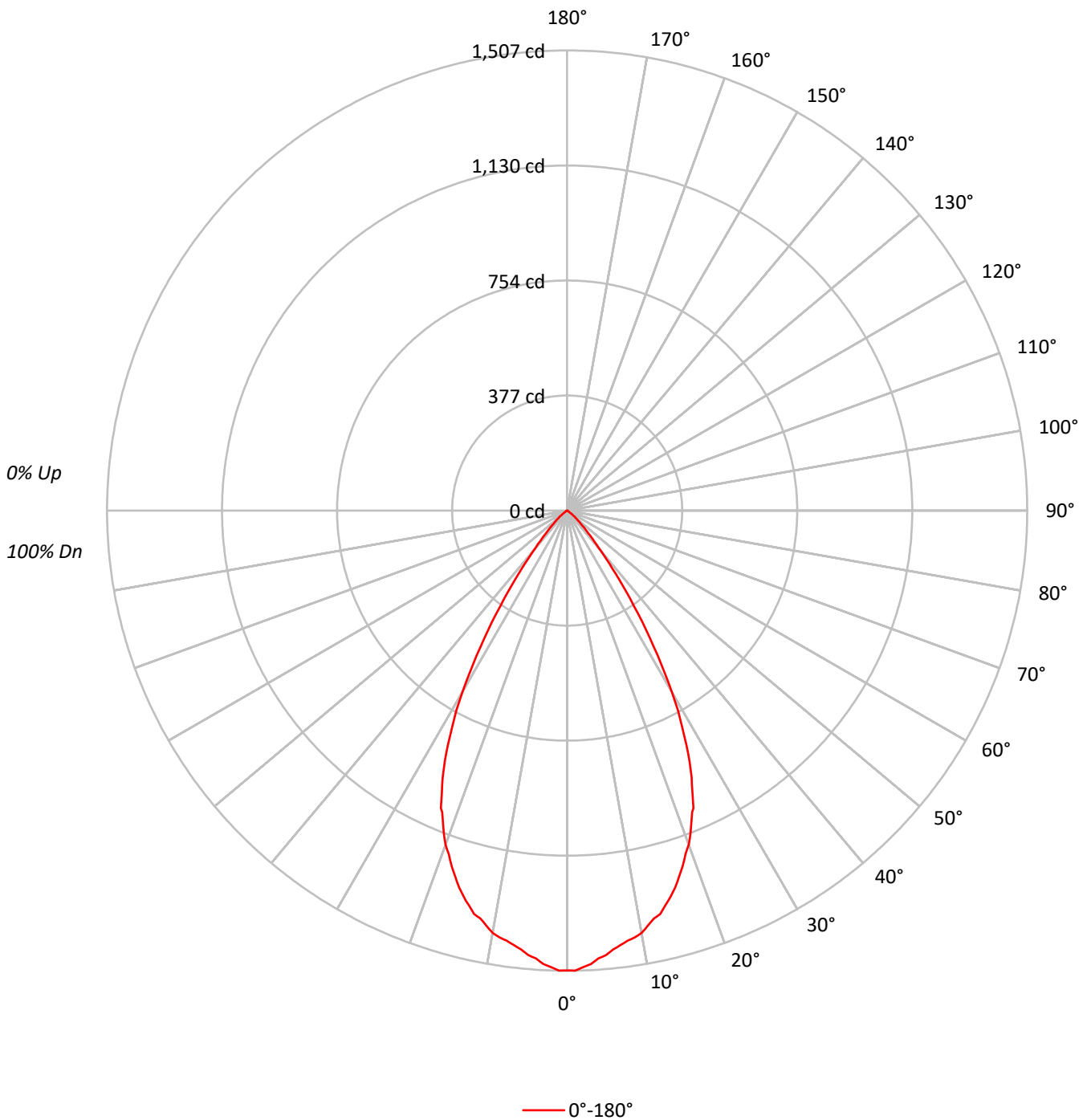
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1255.5 lumens
Efficiency: N/A
Efficacy: 89.0 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: P497336
CATALOG NUMBER: LDA2B158027R60D010 2LBDL1H

Luminous Intensity Polar Plot





TEST NUMBER: P497336

CATALOG NUMBER: LDA2B158027R60D010 2LBDL1H

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	90	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	88	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	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	743102
5°	723703
10°	703766
15°	668899
20°	611181
25°	524822
30°	390519
35°	229289
40°	109293
45°	51003
50°	25405
55°	8860
60°	2072
65°	1634
70°	1010
75°	1334
80°	0
85°	0



TEST NUMBER: P497336

CATALOG NUMBER: LDA2B158027R60D010 2LBDL1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	11.0
10°-20°	364.4	29.0
20°-30°	432.7	34.5
30°-40°	244.2	19.5
40°-50°	63.5	5.1
50°-60°	11.5	0.9
60°-70°	1.2	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°	934.6	74.4
0°-40°	1178.8	93.9
0°-60°	1253.9	99.9
0°-90°	1255.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1506	
5°	1461	138
15°	1310	364
25°	964	433
35°	381	244
45°	73	64
55°	10	12
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P497336

CATALOG NUMBER: LDA2B158027R60D010 2LBDL1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1506.2
1°	1506.9
2°	1496.5
3°	1487.5
4°	1470.3
5°	1461.3
6°	1445.5
7°	1433.8
8°	1422.7
9°	1415.1
10°	1404.8
11°	1384.8
12°	1366.2
13°	1355.8
14°	1331.7
15°	1309.6
16°	1284.1
17°	1253.8
18°	1224.8
19°	1190.3
20°	1164.1
21°	1128.2
22.5°	1068.9
23°	1058.6
24°	1008.2
25°	964.1
26°	915.1
27°	858.6
28°	802.7
29°	748.3
30°	685.5
32.5°	527.6
35°	380.7
37.5°	260.0
40°	169.7
42.5°	111.0
45°	73.1
47.5°	49.7
50°	33.1
52.5°	20.7
55°	10.3
57.5°	4.1
60°	2.1
62.5°	1.4
65°	1.4



TEST NUMBER: P497336

CATALOG NUMBER: LDA2B158027R60D010 2LBDL1H

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)