

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: P498136

Luminaire Tested: **LDA2B158050R35D010 2LBD1MW**

Issue Date: 3/12/2021

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: P498136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B158050R35D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

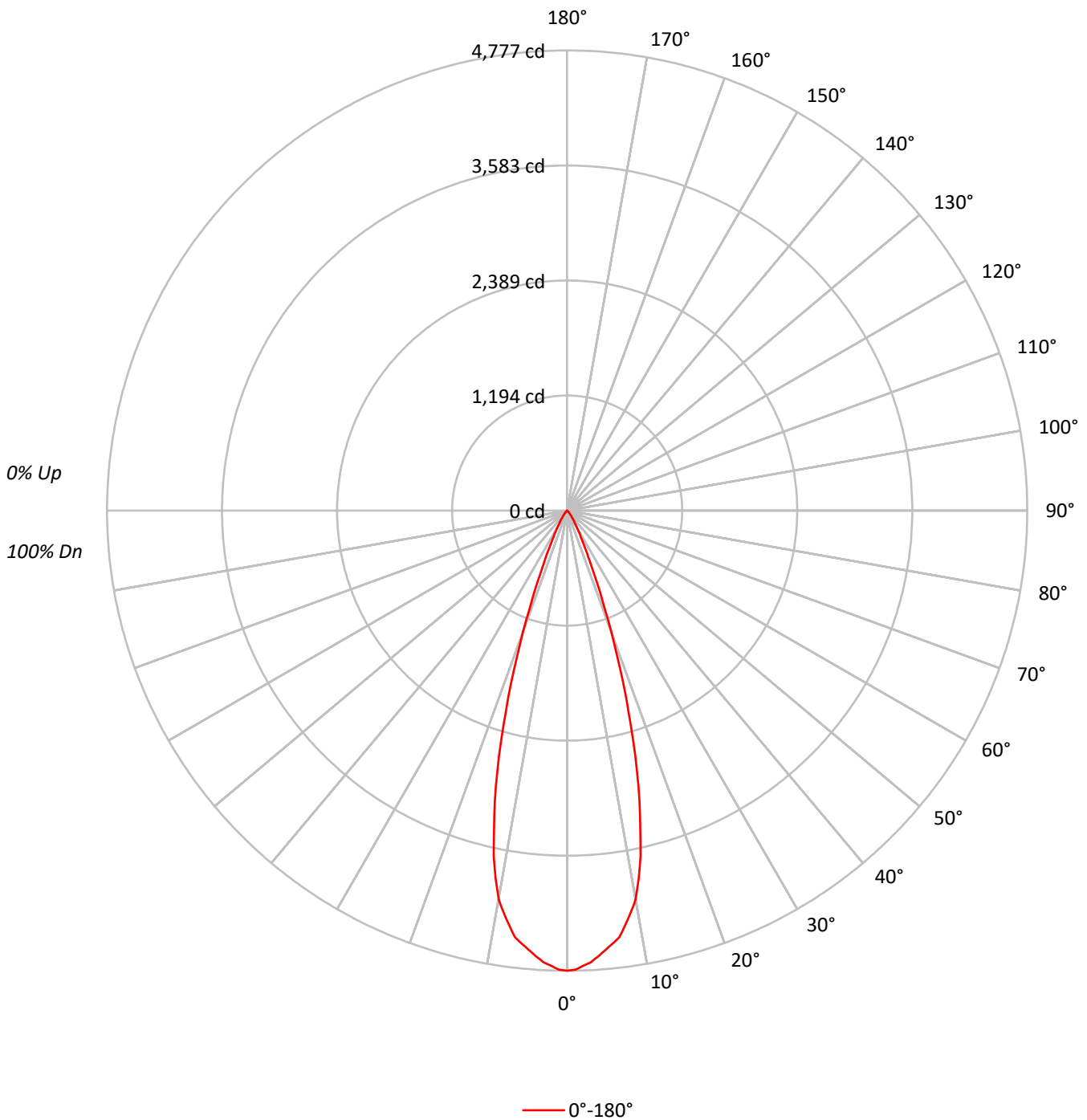
Lumens per Lamp: N/A
Luminaire Lumens: 1499.5 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P498136

CATALOG NUMBER: LDA2B158050R35D010 2LBD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P498136

CATALOG NUMBER: LDA2B158050R35D010 2LBD1MW

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2356592
5°	2266990
10°	2053086
15°	1429174
20°	700383
25°	261241
30°	114735
35°	55771
40°	25568
45°	13815
50°	6754
55°	1892
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P498136

CATALOG NUMBER: LDA2B158050R35D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.9	28.2
10°-20°	741.4	49.4
20°-30°	252.6	16.8
30°-40°	62.8	4.2
40°-50°	16.2	1.1
50°-60°	3.0	0.2
60°-70°	0.6	0.0
70°-80°	0.0	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°	1416.9	94.5
0°-40°	1479.8	98.7
0°-60°	1498.9	100.0
0°-90°	1499.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4777	
5°	4578	423
15°	2798	741
25°	480	253
35°	93	63
45°	20	16
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498136

CATALOG NUMBER: LDA2B158050R35D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4776.6
1°	4767.1
2°	4730.3
3°	4695.0
4°	4638.5
5°	4577.5
6°	4517.9
7°	4462.1
8°	4341.5
9°	4224.7
10°	4098.2
11°	3891.0
12°	3666.1
13°	3376.5
14°	3108.2
15°	2798.1
16°	2495.3
17°	2179.9
18°	1885.2
19°	1586.8
20°	1334.0
21°	1092.9
22.5°	801.9
23°	720.3
24°	588.0
25°	479.9
26°	396.9
27°	331.5
28°	279.3
29°	235.9
30°	201.4
32.5°	136.7
35°	92.6
37.5°	62.5
40°	39.7
42.5°	27.2
45°	19.8
47.5°	14.0
50°	8.8
52.5°	5.1
55°	2.2
57.5°	1.5
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P498136

CATALOG NUMBER: LDA2B158050R35D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.0
72.5°	0.0
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)