

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: P498649

Luminaire Tested: **LDA2B159027R65D010 2LBD1MW**

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: P498649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159027R65D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

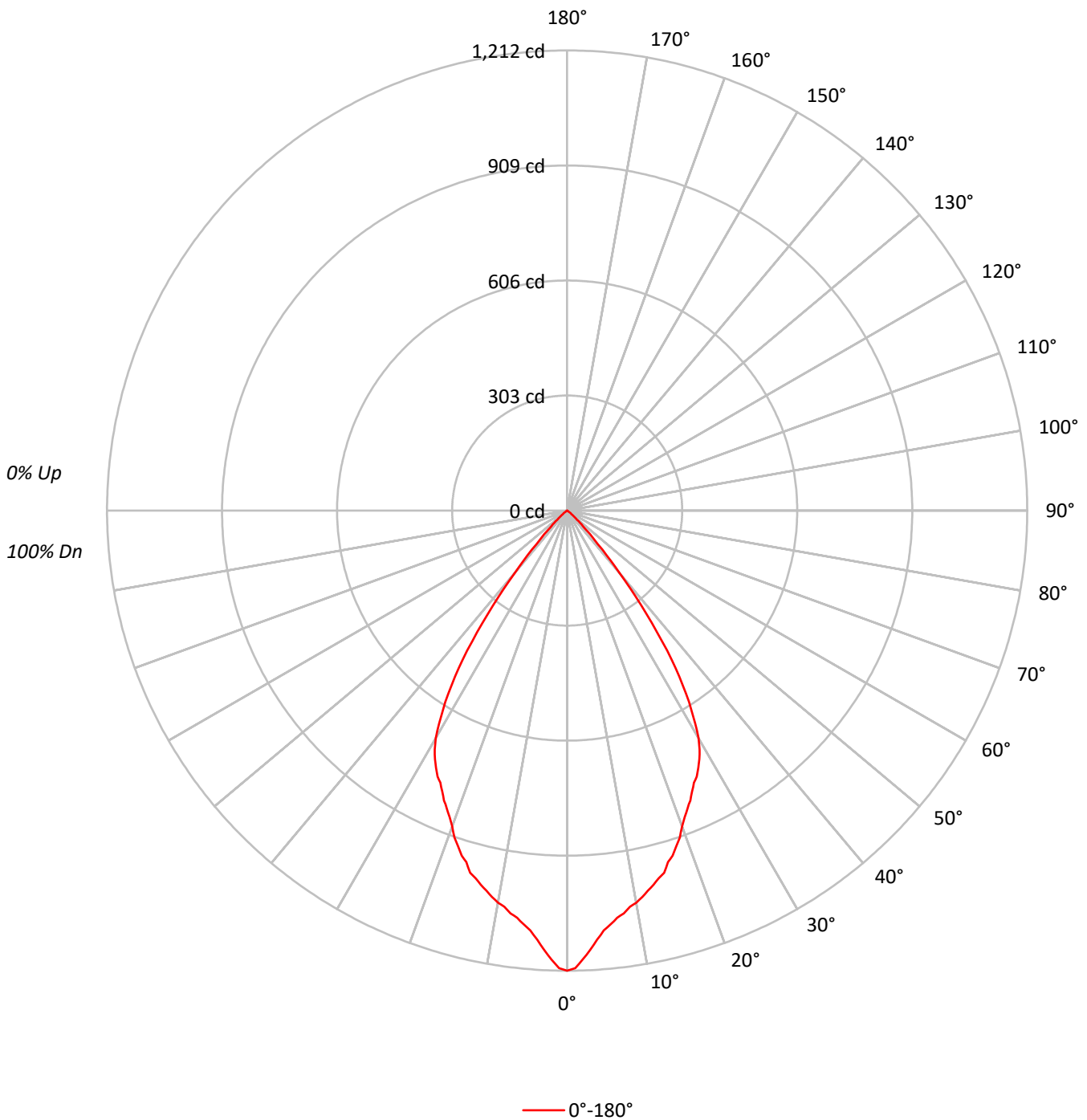
Lumens per Lamp: N/A
Luminaire Lumens: 1100.4 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): 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: P498649

CATALOG NUMBER: LDA2B159027R65D010 2LBD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P498649

CATALOG NUMBER: LDA2B159027R65D010 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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	597905
5°	549872
10°	525470
15°	504637
20°	464804
25°	430429
30°	394450
35°	289698
40°	137180
45°	45142
50°	14583
55°	1892
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P498649

CATALOG NUMBER: LDA2B159027R65D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	9.5
10°-20°	274.8	25.0
20°-30°	364.5	33.1
30°-40°	288.4	26.2
40°-50°	63.0	5.7
50°-60°	4.7	0.4
60°-70°	0.6	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°	743.6	67.6
0°-40°	1031.9	93.8
0°-60°	1099.6	99.9
0°-90°	1100.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1212	
5°	1110	104
15°	988	275
25°	791	364
35°	481	288
45°	65	63
55°	2	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498649

CATALOG NUMBER: LDA2B159027R65D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1211.9
1°	1205.4
2°	1183.1
3°	1158.7
4°	1133.1
5°	1110.3
6°	1095.6
7°	1080.9
8°	1071.2
9°	1056.5
10°	1048.9
11°	1036.9
12°	1023.3
13°	1011.4
14°	997.8
15°	988.0
16°	963.0
17°	950.5
18°	929.9
19°	910.8
20°	885.3
21°	864.6
22.5°	837.5
23°	829.9
24°	809.2
25°	790.7
26°	779.3
27°	760.3
28°	741.8
29°	719.5
30°	692.4
32.5°	597.8
35°	481.0
37.5°	342.9
40°	213.0
42.5°	120.1
45°	64.7
47.5°	34.8
50°	19.0
52.5°	8.2
55°	2.2
57.5°	1.1
60°	1.1
62.5°	0.5
65°	0.5



TEST NUMBER: P498649

CATALOG NUMBER: LDA2B159027R65D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
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)