

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: P499214

Luminaire Tested: **LDA2B159040R35D010 2LBD1MMS**

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: P499214
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: LDA2B159040R35D010 2LBD1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

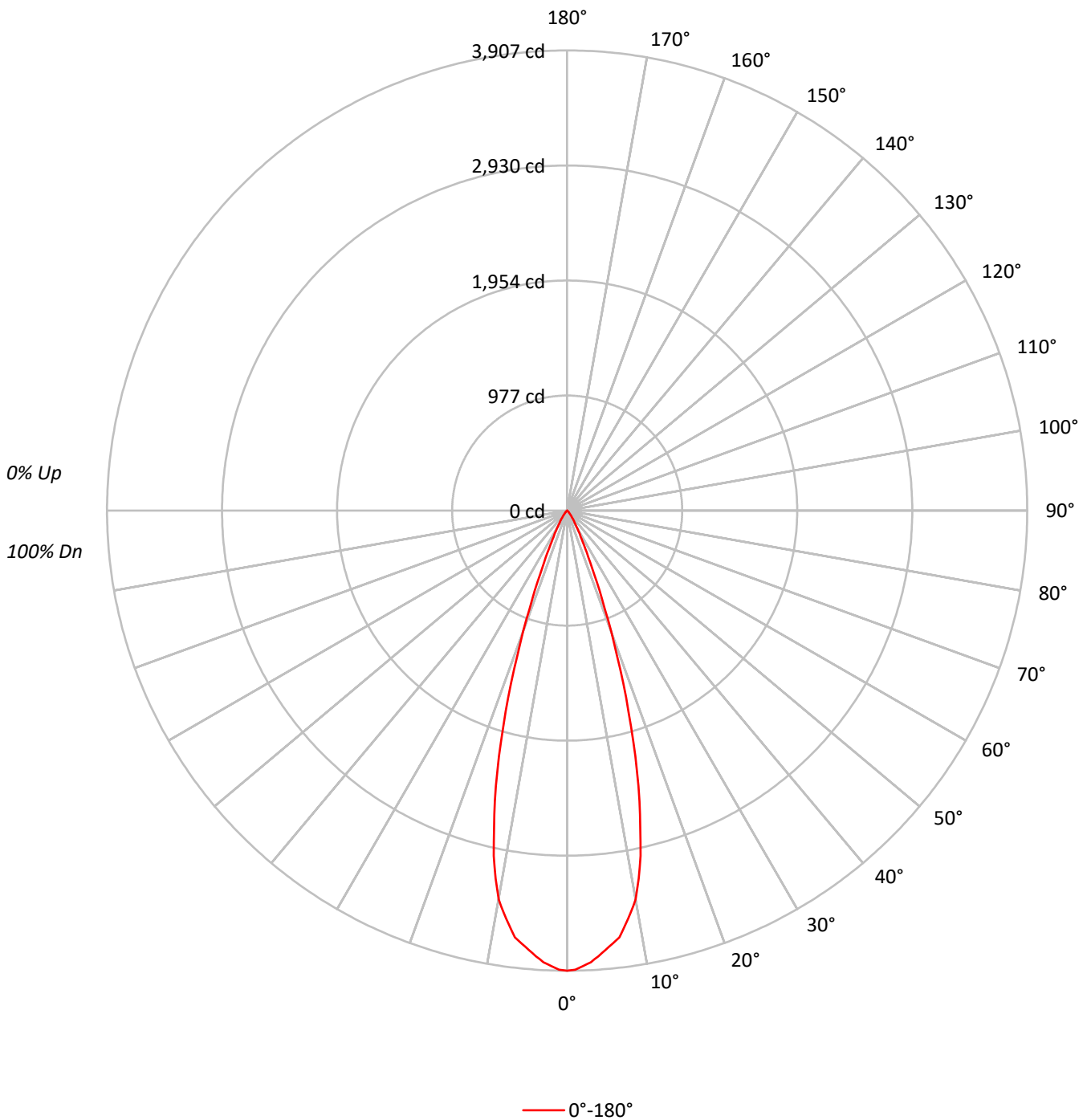
Lumens per Lamp: N/A
Luminaire Lumens: 1226.5 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P499214

CATALOG NUMBER: LDA2B159040R35D010 2LBD1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P499214

CATALOG NUMBER: LDA2B159040R35D010 2LBD1MMS

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°	1927466
5°	1854153
10°	1679260
15°	1168938
20°	572854
25°	213663
30°	93827
35°	45593
40°	20931
45°	11303
50°	5526
55°	1548
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P499214

CATALOG NUMBER: LDA2B159040R35D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	28.2
10°-20°	606.4	49.4
20°-30°	206.6	16.8
30°-40°	51.4	4.2
40°-50°	13.2	1.1
50°-60°	2.4	0.2
60°-70°	0.5	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°	1158.9	94.5
0°-40°	1210.3	98.7
0°-60°	1226.0	100.0
0°-90°	1226.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3907	
5°	3744	346
15°	2289	606
25°	392	207
35°	76	51
45°	16	13
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499214

CATALOG NUMBER: LDA2B159040R35D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3906.8
1°	3899.0
2°	3869.0
3°	3840.1
4°	3793.8
5°	3743.9
6°	3695.2
7°	3649.6
8°	3551.0
9°	3455.4
10°	3352.0
11°	3182.5
12°	2998.5
13°	2761.7
14°	2542.2
15°	2288.6
16°	2040.9
17°	1783.0
18°	1541.9
19°	1297.9
20°	1091.1
21°	893.9
22.5°	655.8
23°	589.1
24°	480.9
25°	392.5
26°	324.6
27°	271.1
28°	228.4
29°	193.0
30°	164.7
32.5°	111.8
35°	75.7
37.5°	51.1
40°	32.5
42.5°	22.2
45°	16.2
47.5°	11.4
50°	7.2
52.5°	4.2
55°	1.8
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6



TEST NUMBER: P499214

CATALOG NUMBER: LDA2B159040R35D010 2LBD1MMS

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
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)