

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: P499381

Luminaire Tested: **LDA2B159050R30D010 2LBD1B**

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: P499381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159050R30D010 2LBD1B
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

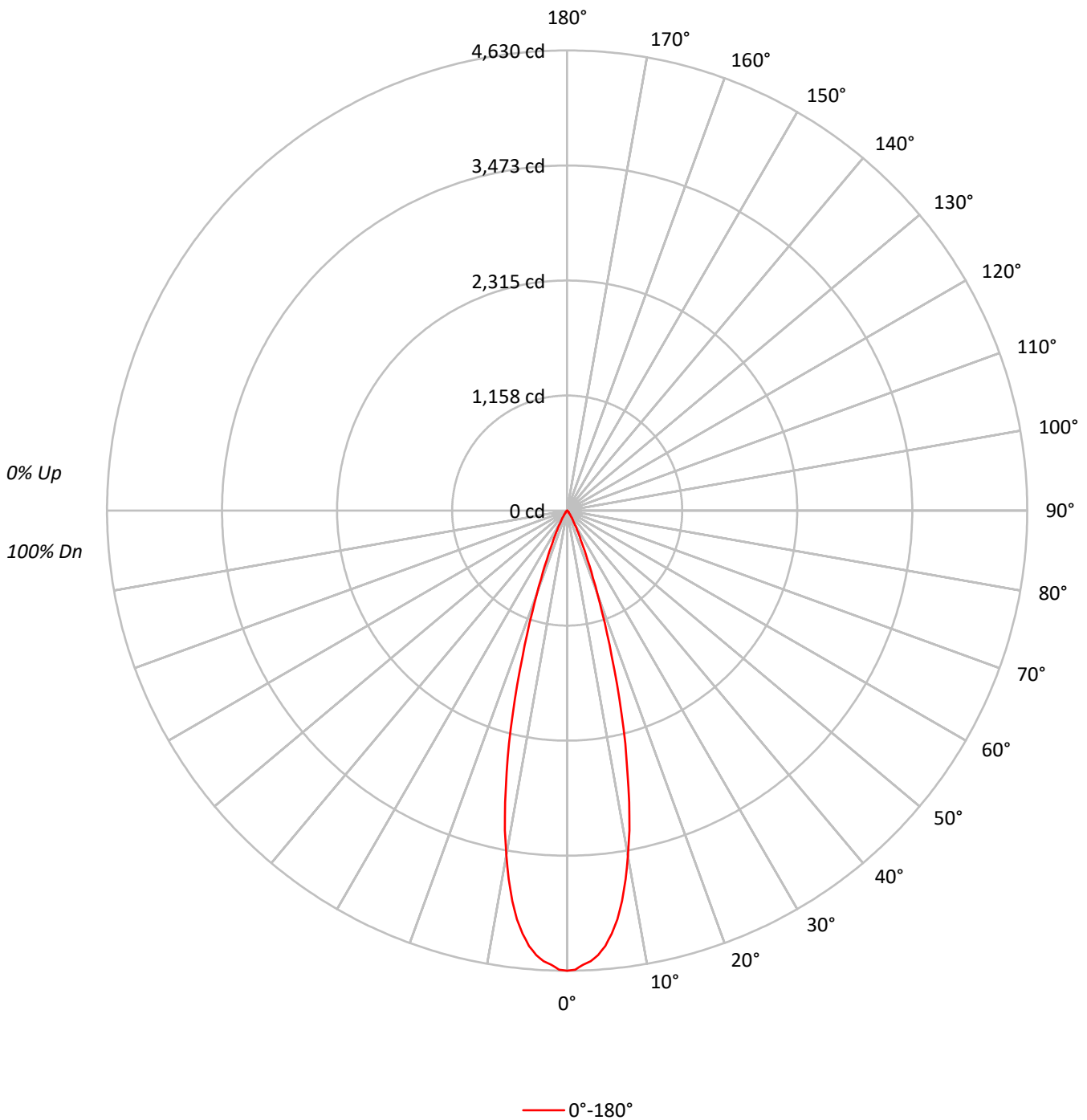
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1178.7 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46
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: P499381
CATALOG NUMBER: LDA2B159050R30D010 2LBD1B

Luminous Intensity Polar Plot





TEST NUMBER: P499381

CATALOG NUMBER: LDA2B159050R30D010 2LBD1B

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	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	81		86	83	81		85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	81	78	77
9	90	84	80	77	90	83	80	77	83	79	77		82	79	76		81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75		80	77	74		79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2284314
5°	2178044
10°	1766330
15°	1079759
20°	471787
25°	176483
30°	73205
35°	34210
40°	15908
45°	7745
50°	4298
55°	1634
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P499381

CATALOG NUMBER: LDA2B159050R30D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.3	33.3
10°-20°	566.4	48.1
20°-30°	169.0	14.3
30°-40°	38.8	3.3
40°-50°	9.6	0.8
50°-60°	2.2	0.2
60°-70°	0.4	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°	1127.8	95.7
0°-40°	1166.6	99.0
0°-60°	1178.4	100.0
0°-90°	1178.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4630	
5°	4398	392
15°	2114	566
25°	324	169
35°	57	39
45°	11	10
55°	2	2
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499381

CATALOG NUMBER: LDA2B159050R30D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4630.1
1°	4619.6
2°	4572.6
3°	4541.1
4°	4482.5
5°	4397.9
6°	4282.4
7°	4144.6
8°	3969.3
9°	3755.6
10°	3525.8
11°	3280.0
12°	3000.9
13°	2700.7
14°	2415.4
15°	2114.0
16°	1822.5
17°	1535.3
18°	1303.7
19°	1078.9
20°	898.6
21°	728.1
22.5°	539.8
23°	486.7
24°	398.3
25°	324.2
26°	266.2
27°	221.7
28°	182.8
29°	153.2
30°	128.5
32.5°	84.0
35°	56.8
37.5°	37.7
40°	24.7
42.5°	16.1
45°	11.1
47.5°	8.0
50°	5.6
52.5°	3.7
55°	1.9
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6



TEST NUMBER: P499381

CATALOG NUMBER: LDA2B159050R30D010 2LBD1B

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
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)