

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: P493810

Luminaire Tested: **LDA2B059050R35D010 2LBD1LI**

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: P493810
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: LDA2B059050R35D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

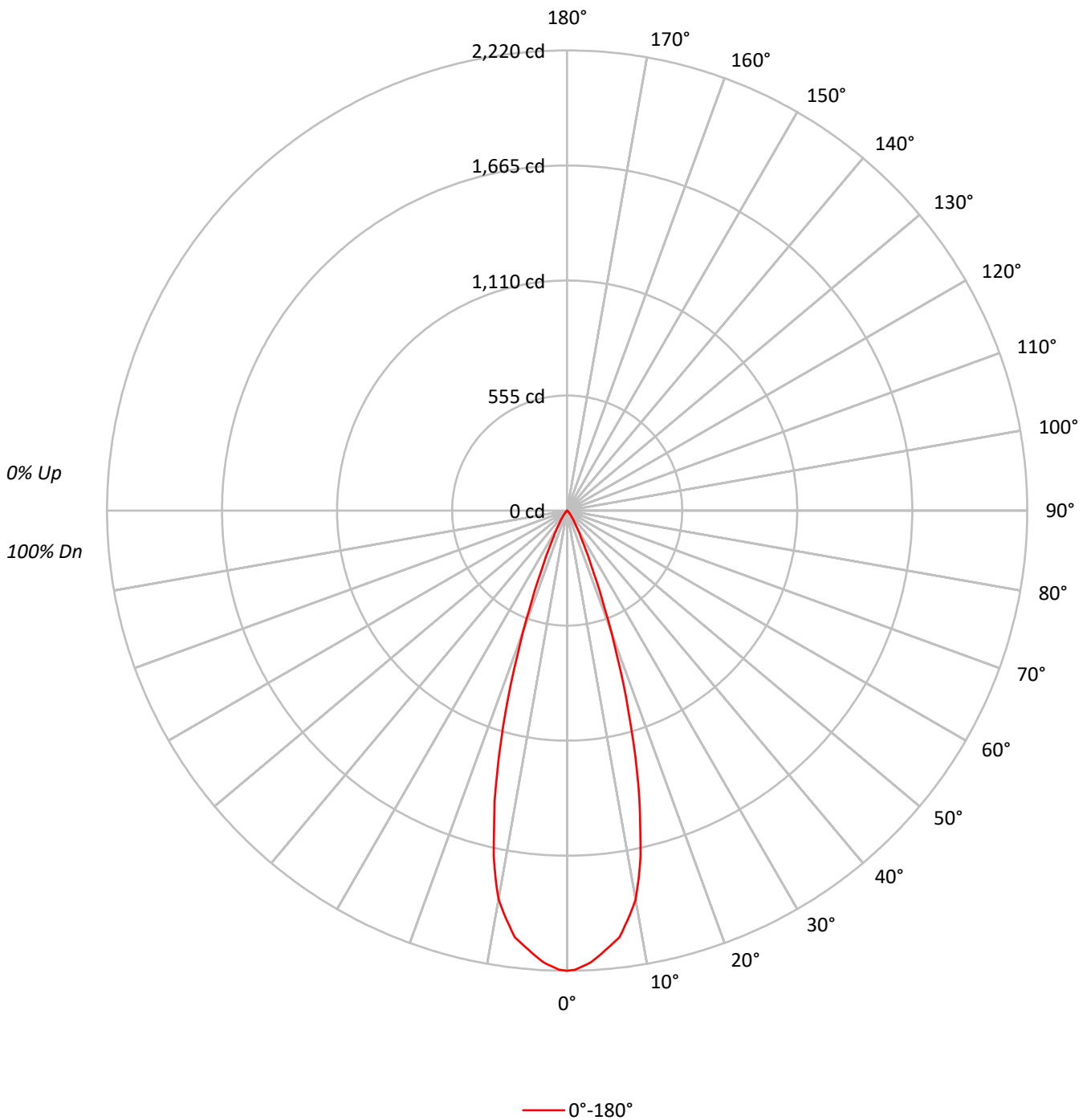
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 99.6 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): 7
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: P493810
CATALOG NUMBER: LDA2B059050R35D010 2LBD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P493810

CATALOG NUMBER: LDA2B059050R35D010 2LBD1LI

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°	1095461
5°	1053785
10°	954353
15°	664302
20°	325568
25°	121448
30°	53323
35°	25898
40°	11850
45°	6419
50°	3147
55°	860
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P493810

CATALOG NUMBER: LDA2B059050R35D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	28.2
10°-20°	344.6	49.4
20°-30°	117.4	16.8
30°-40°	29.2	4.2
40°-50°	7.5	1.1
50°-60°	1.4	0.2
60°-70°	0.3	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°	658.6	94.5
0°-40°	687.8	98.7
0°-60°	696.7	100.0
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2220	
5°	2128	197
15°	1301	345
25°	223	117
35°	43	29
45°	9	8
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493810

CATALOG NUMBER: LDA2B059050R35D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2220.4
1°	2215.9
2°	2198.8
3°	2182.4
4°	2156.1
5°	2127.8
6°	2100.1
7°	2074.1
8°	2018.1
9°	1963.8
10°	1905.0
11°	1808.7
12°	1704.1
13°	1569.5
14°	1444.8
15°	1300.6
16°	1159.9
17°	1013.3
18°	876.3
19°	737.6
20°	620.1
21°	508.0
22.5°	372.7
23°	334.8
24°	273.3
25°	223.1
26°	184.5
27°	154.1
28°	129.8
29°	109.7
30°	93.6
32.5°	63.5
35°	43.0
37.5°	29.0
40°	18.4
42.5°	12.6
45°	9.2
47.5°	6.5
50°	4.1
52.5°	2.4
55°	1.0
57.5°	0.7
60°	0.3
62.5°	0.3
65°	0.3



TEST NUMBER: P493810

CATALOG NUMBER: LDA2B059050R35D010 2LBD1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
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)