

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: P496758

Luminaire Tested: **LDA2B109727R20D010 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: P496758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109727R20D010 2LBD1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

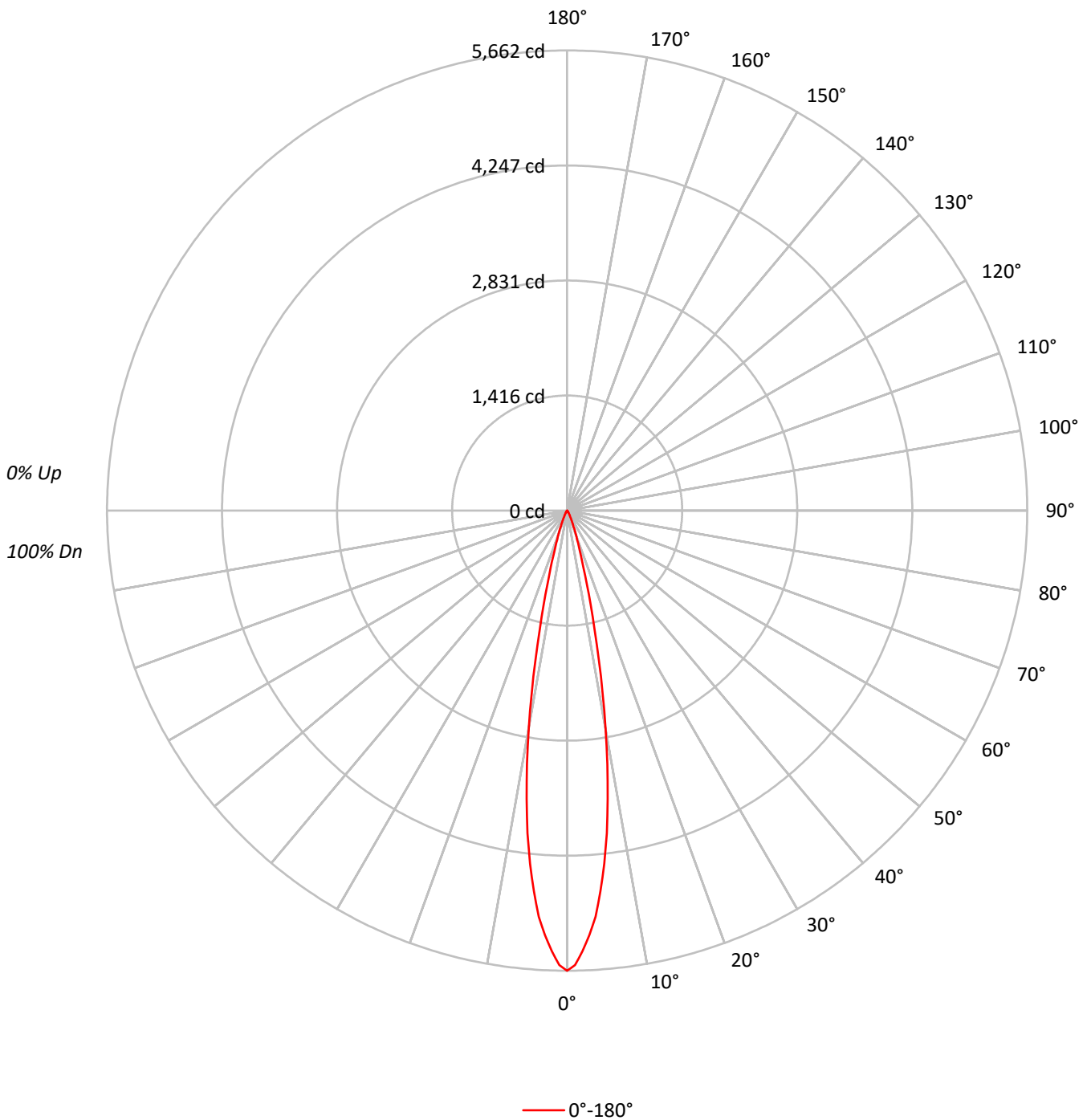
Lumens per Lamp: N/A
Luminaire Lumens: 753.7 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: P496758

CATALOG NUMBER: LDA2B109727R20D010 2LBD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P496758

CATALOG NUMBER: LDA2B109727R20D010 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	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					100			
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92		
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	96	95	94	93	92	91	90		
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	91	90	89	88	87		
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	89	88	87	86	85		
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	87	86	85	84	83		
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	86	85	84	83	82	81		
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	85	84	83	82	81	80		
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	82	81	80	79	78		
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	82	81	80	79	78	77	76		
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	79	78	77	76	75		

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2793464
5°	2327460
10°	1364950
15°	478077
20°	160920
25°	62003
30°	28484
35°	12588
40°	6183
45°	3558
50°	1996
55°	602
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P496758

CATALOG NUMBER: LDA2B109727R20D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.5	51.0
10°-20°	288.7	38.3
20°-30°	60.7	8.0
30°-40°	14.5	1.9
40°-50°	4.2	0.6
50°-60°	0.9	0.1
60°-70°	0.2	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°	733.9	97.4
0°-40°	748.4	99.3
0°-60°	753.5	100.0
0°-90°	753.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5662	
5°	4700	384
15°	936	289
25°	114	61
35°	21	15
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496758

CATALOG NUMBER: LDA2B109727R20D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5662.1
1°	5593.0
2°	5423.9
3°	5229.2
4°	5011.2
5°	4699.6
6°	4368.8
7°	4001.7
8°	3582.4
9°	3159.0
10°	2724.6
11°	2277.8
12°	1884.2
13°	1500.1
14°	1194.0
15°	936.0
16°	734.3
17°	579.2
18°	465.6
19°	377.4
20°	306.5
22.5°	186.0
25°	113.9
27.5°	74.6
30°	50.0
32.5°	30.5
35°	20.9
37.5°	14.3
40°	9.6
42.5°	7.0
45°	5.1
47.5°	3.7
50°	2.6
52.5°	1.5
55°	0.7
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



TEST NUMBER: P496758

CATALOG NUMBER: LDA2B109727R20D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)