

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: P496108

Luminaire Tested: **LDA2B109035R20D010 2LBD1MMS**

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: P496108
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: LDA2B109035R20D010 2LBD1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

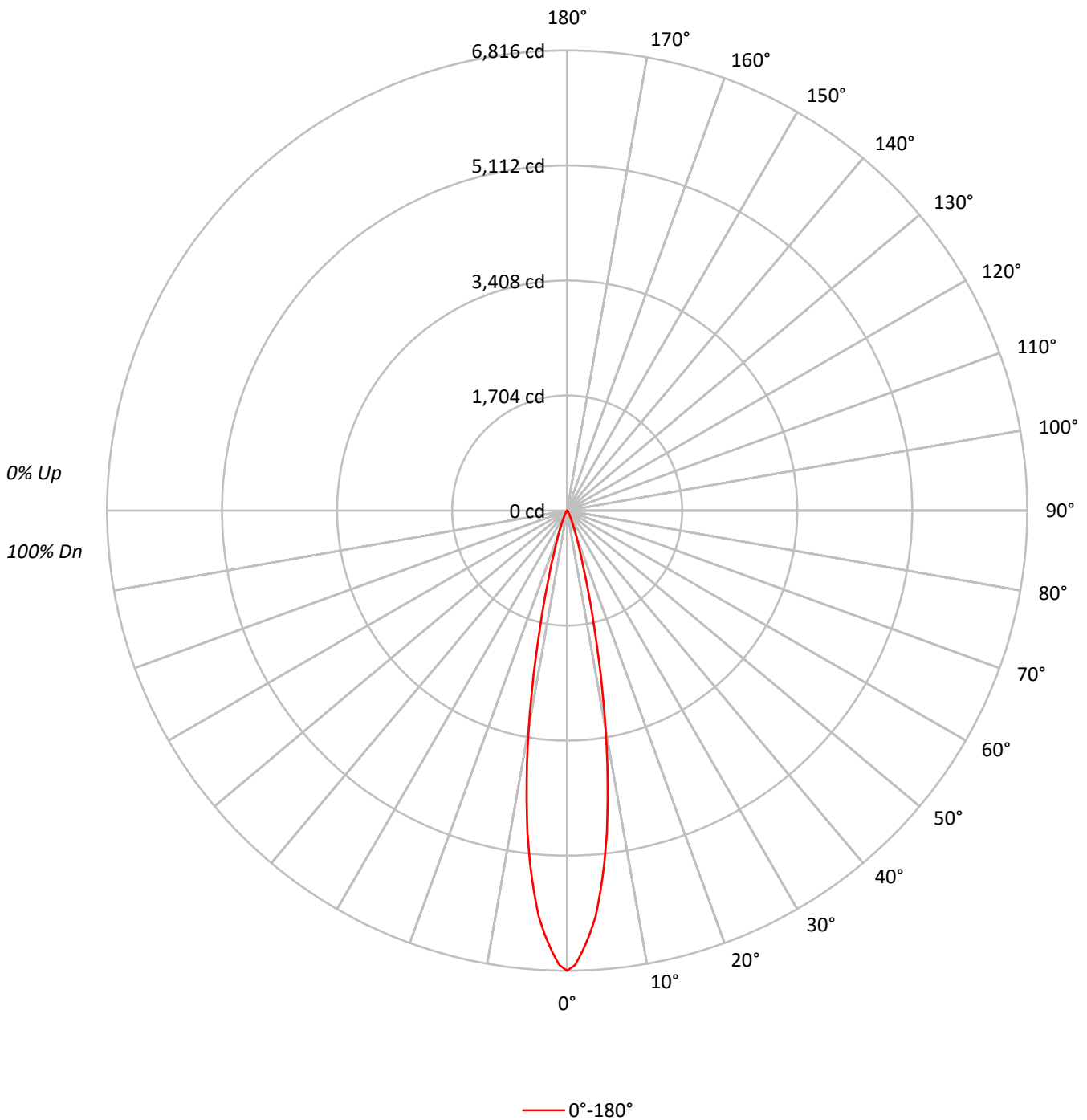
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 907.2 lumens
Efficiency: N/A
Efficacy: 90.7 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: P496108
CATALOG NUMBER: LDA2B109035R20D010 2LBD1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P496108

CATALOG NUMBER: LDA2B109035R20D010 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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89
6	102	96	93	90	101	96	92	90	95	92	89	93	91	89	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3362655
5°	2801708
10°	1643090
15°	575480
20°	193682
25°	74632
30°	34295
35°	15178
40°	7406
45°	4326
50°	2379
55°	774
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P496108

CATALOG NUMBER: LDA2B109035R20D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.8	51.0
10°-20°	347.5	38.3
20°-30°	73.0	8.0
30°-40°	17.5	1.9
40°-50°	5.0	0.6
50°-60°	1.1	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°	883.4	97.4
0°-40°	900.9	99.3
0°-60°	907.0	100.0
0°-90°	907.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6816	
5°	5657	463
15°	1127	348
25°	137	73
35°	25	18
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P496108

CATALOG NUMBER: LDA2B109035R20D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	6815.8
1°	6732.6
2°	6529.1
3°	6294.6
4°	6032.3
5°	5657.2
6°	5259.0
7°	4817.1
8°	4312.3
9°	3802.7
10°	3279.8
11°	2741.9
12°	2268.1
13°	1805.8
14°	1437.3
15°	1126.7
16°	883.9
17°	697.2
18°	560.5
19°	454.3
20°	368.9
22.5°	223.8
25°	137.1
27.5°	89.8
30°	60.2
32.5°	36.7
35°	25.2
37.5°	17.3
40°	11.5
42.5°	8.4
45°	6.2
47.5°	4.4
50°	3.1
52.5°	1.8
55°	0.9
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: P496108

CATALOG NUMBER: LDA2B109035R20D010 2LBD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)