

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: P495185

Luminaire Tested: **LDA2B108040R60D010 2LBDLC1MMS**

Issue Date: 3/9/2021

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: P495185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B108040R60D010 2LBDLC1MMS  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

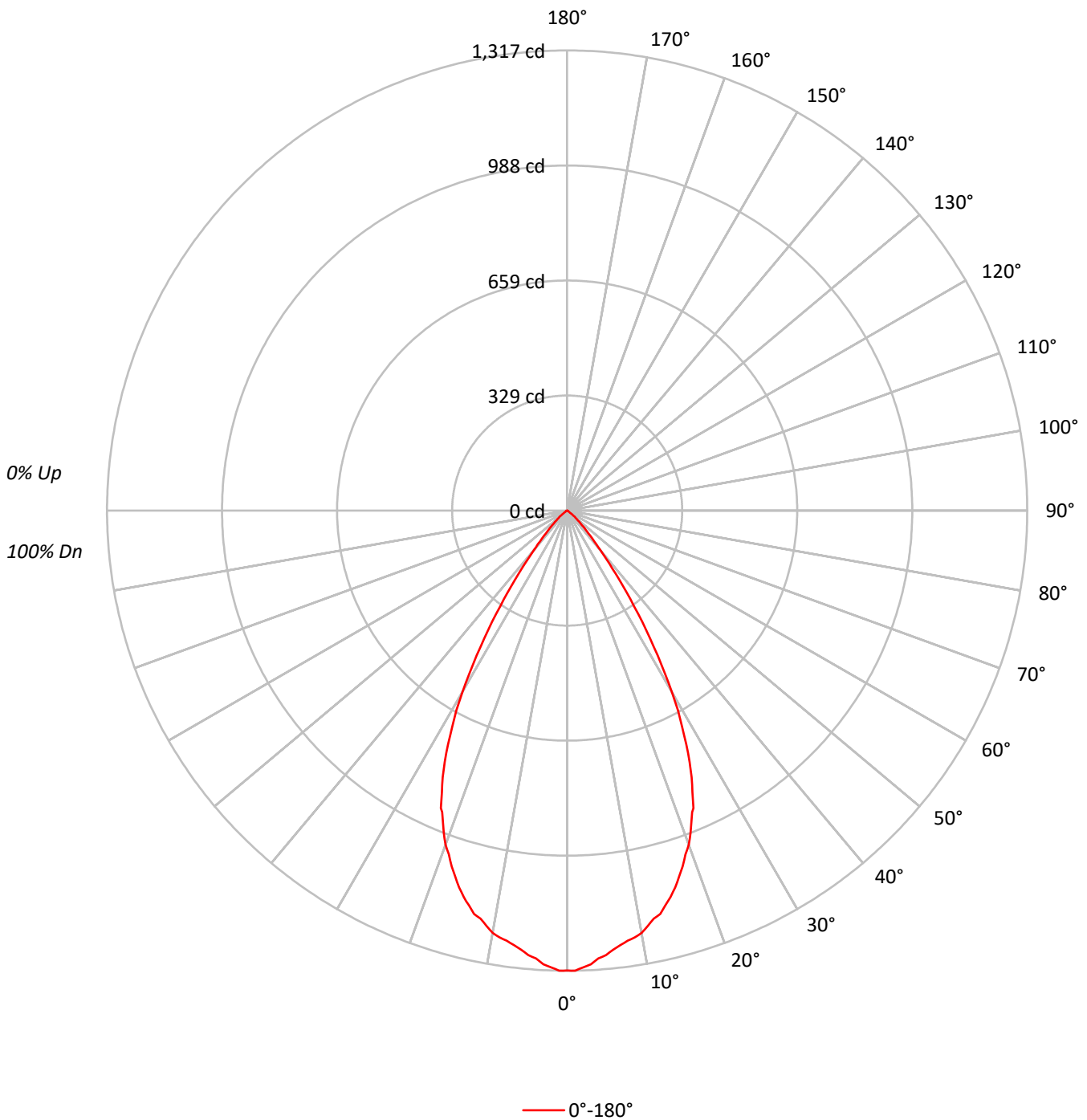
Lumens per Lamp: N/A  
Luminaire Lumens: 1097.3 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P495185

CATALOG NUMBER: LDA2B108040R60D010 2LBDLC1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P495185

CATALOG NUMBER: LDA2B108040R60D010 2LBDLC1MMS

**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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	54	52

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	649461
5°	632529
10°	615094
15°	584622
20°	534160
25°	458682
30°	341298
35°	200380
40°	95511
45°	44584
50°	22182
55°	7741
60°	1776
65°	1401
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P495185

CATALOG NUMBER: LDA2B108040R60D010 2LBDLC1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	11.0
10°-20°	318.5	29.0
20°-30°	378.2	34.5
30°-40°	213.4	19.5
40°-50°	55.5	5.1
50°-60°	10.1	0.9
60°-70°	1.0	0.1
70°-80°	0.4	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°	816.8	74.4
0°-40°	1030.3	93.9
0°-60°	1095.8	99.9
0°-90°	1097.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1097.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1316	
5°	1277	120
15°	1145	318
25°	843	378
35°	333	213
45°	64	55
55°	9	10
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P495185

CATALOG NUMBER: LDA2B108040R60D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1316.4
1°	1317.0
2°	1307.9
3°	1300.1
4°	1285.0
5°	1277.2
6°	1263.3
7°	1253.1
8°	1243.4
9°	1236.8
10°	1227.8
11°	1210.3
12°	1194.0
13°	1185.0
14°	1163.9
15°	1144.6
16°	1122.3
17°	1095.8
18°	1070.5
19°	1040.3
20°	1017.4
21°	986.1
22.5°	934.2
23°	925.2
24°	881.2
25°	842.6
26°	799.8
27°	750.4
28°	701.6
29°	654.0
30°	599.1
32.5°	461.1
35°	332.7
37.5°	227.2
40°	148.3
42.5°	97.0
45°	63.9
47.5°	43.4
50°	28.9
52.5°	18.1
55°	9.0
57.5°	3.6
60°	1.8
62.5°	1.2
65°	1.2



TEST NUMBER: P495185

CATALOG NUMBER: LDA2B108040R60D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)