

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: P496423

Luminaire Tested: **LDA2B109040R35D010 2LBDL1LI**

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: P496423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B109040R35D010 2LBDL1LI  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

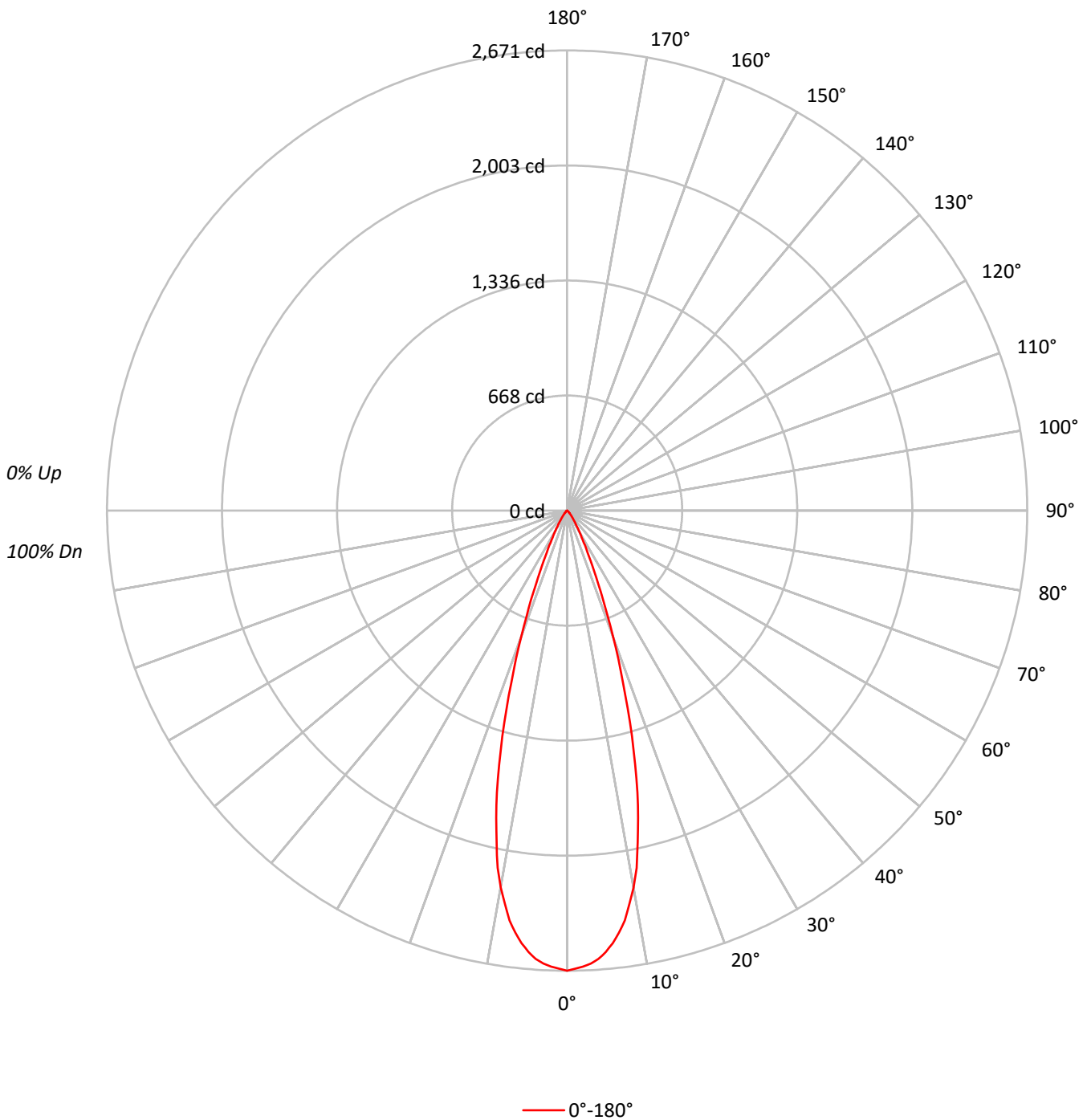
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 863.4 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51  
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

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### Luminous Intensity Polar Plot





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**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	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78		84	80	78		83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70		76	73	70		76	72	70	69

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

	0°
0°	1317769
5°	1274021
10°	1113312
15°	778356
20°	408679
25°	175612
30°	80326
35°	38908
40°	19772
45°	10117
50°	5526
55°	2322
60°	888
65°	584
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.5	27.2
10°-20°	406.7	47.1
20°-30°	162.3	18.8
30°-40°	44.3	5.1
40°-50°	12.3	1.4
50°-60°	2.9	0.3
60°-70°	0.6	0.1
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°	803.4	93.1
0°-40°	847.7	98.2
0°-60°	862.9	99.9
0°-90°	863.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2671	
5°	2572	234
15°	1524	407
25°	323	162
35°	65	44
45°	14	12
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2671.0
1°	2659.7
2°	2648.8
3°	2632.6
4°	2608.2
5°	2572.5
6°	2525.9
7°	2468.1
8°	2402.2
9°	2310.9
10°	2222.3
11°	2112.6
12°	1972.1
13°	1830.6
14°	1686.5
15°	1523.9
16°	1363.9
17°	1199.5
18°	1051.8
19°	912.2
20°	778.4
21°	655.5
22.5°	508.3
23°	460.8
24°	386.7
25°	322.6
26°	271.5
27°	226.8
28°	192.0
29°	163.5
30°	141.0
32.5°	94.4
35°	64.6
37.5°	45.2
40°	30.7
42.5°	20.8
45°	14.5
47.5°	10.4
50°	7.2
52.5°	5.0
55°	2.7
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
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)