

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: P494420

Luminaire Tested: **LDA2B108027R30D010 2LBD1MB**

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: P494420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B108027R30D010 2LBD1MB  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

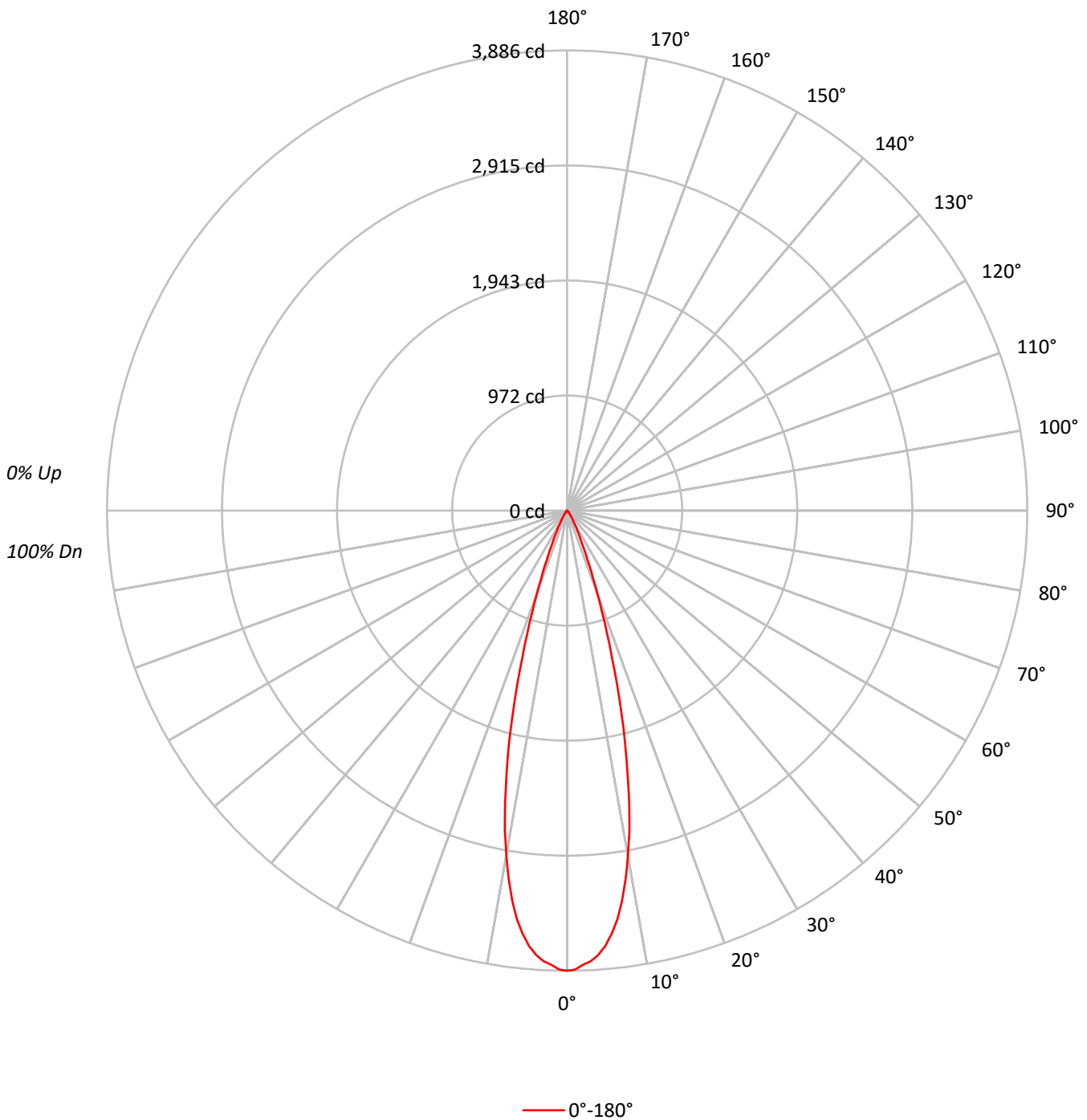
Lumens per Lamp: N/A  
Luminaire Lumens: 989.2 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	104	103	102	101	101	100	99	98	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	99	100	98	97	97	97	96	95	95	93	93	93	93
3	108	103	100	97	106	102	99	96	99	97	94	94	97	95	93	93	95	93	92	92	90	90	90	90
4	104	99	95	92	103	98	94	92	96	93	91	91	94	92	90	90	92	90	89	89	87	87	87	87
5	101	95	91	88	100	95	91	88	93	90	87	87	91	89	86	86	90	88	86	86	85	85	85	85
6	98	92	88	85	97	91	88	85	90	87	84	84	89	86	84	84	88	85	83	83	82	82	82	82
7	96	89	85	82	95	89	85	82	87	84	81	81	86	83	81	81	85	83	81	81	80	80	80	80
8	93	86	82	79	92	86	82	79	85	81	79	79	84	81	79	79	83	81	78	78	77	77	77	77
9	90	84	80	77	90	83	80	77	83	79	77	77	82	79	76	76	81	78	76	76	75	75	75	75
10	88	81	77	75	87	81	77	75	80	77	75	75	80	77	74	74	79	76	74	74	73	73	73	73

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

	0°
0°	1917007
5°	1827855
10°	1482328
15°	906149
20°	395921
25°	148122
30°	61412
35°	28729
40°	13332
45°	6489
50°	3607
55°	1376
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.2	33.3
10°-20°	475.4	48.1
20°-30°	141.9	14.3
30°-40°	32.6	3.3
40°-50°	8.0	0.8
50°-60°	1.8	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°	946.5	95.7
0°-40°	979.1	99.0
0°-60°	988.9	100.0
0°-90°	989.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3886	
5°	3691	329
15°	1774	475
25°	272	142
35°	48	33
45°	9	8
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3885.6
1°	3876.8
2°	3837.4
3°	3811.0
4°	3761.8
5°	3690.8
6°	3593.8
7°	3478.3
8°	3331.1
9°	3151.7
10°	2958.9
11°	2752.6
12°	2518.4
13°	2266.5
14°	2027.0
15°	1774.1
16°	1529.5
17°	1288.5
18°	1094.1
19°	905.5
20°	754.1
21°	611.1
22.5°	453.0
23°	408.4
24°	334.3
25°	272.1
26°	223.4
27°	186.1
28°	153.4
29°	128.5
30°	107.8
32.5°	70.5
35°	47.7
37.5°	31.6
40°	20.7
42.5°	13.5
45°	9.3
47.5°	6.7
50°	4.7
52.5°	3.1
55°	1.6
57.5°	1.0
60°	0.5
62.5°	0.5
65°	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
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)