

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: P496070

Luminaire Tested: **LDA2B109030R65D010 2LBDL1WMH**

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: P496070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B109030R65D010 2LBDL1WMH  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

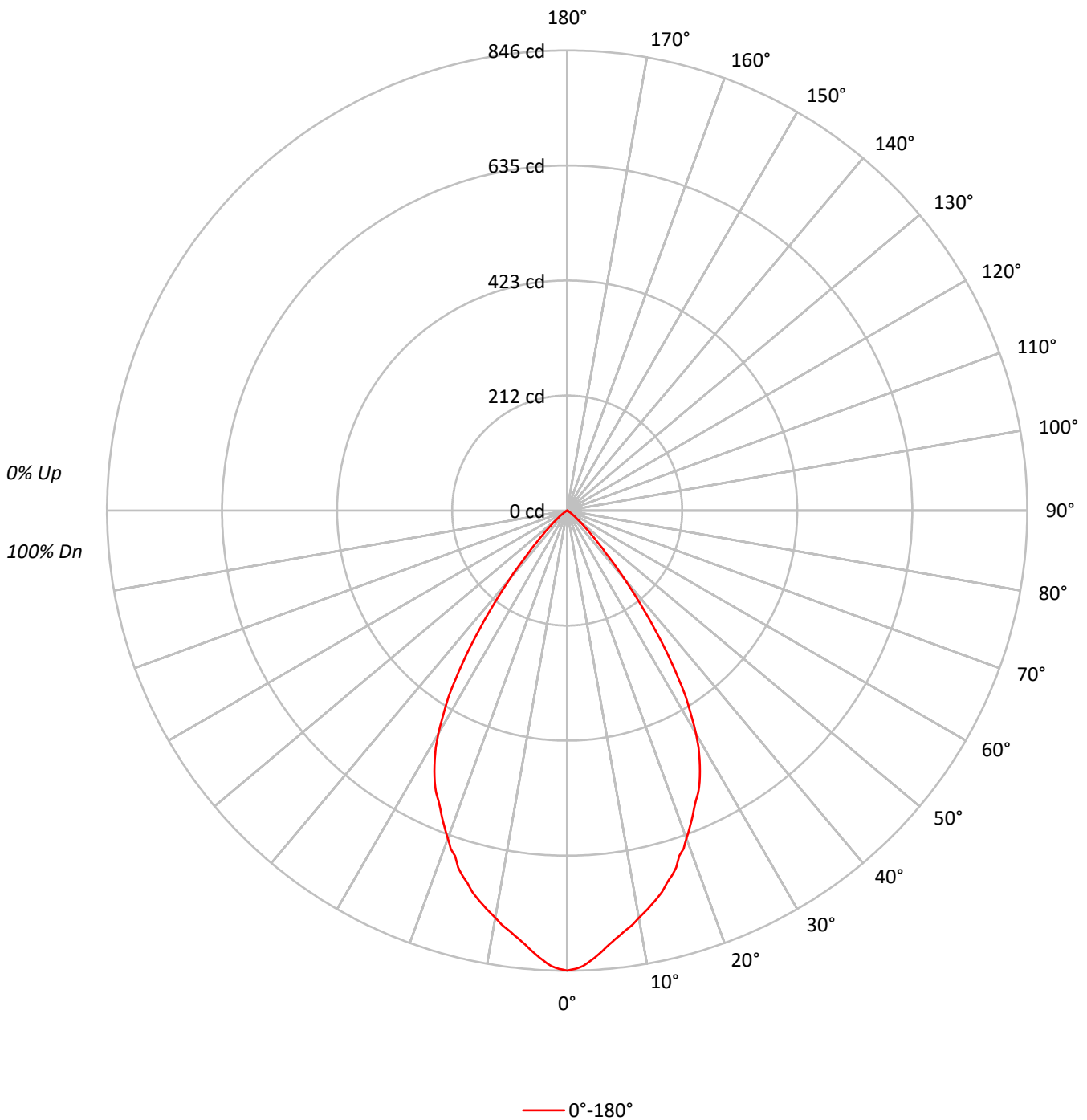
Lumens per Lamp: N/A  
Luminaire Lumens: 797.6 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49

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

	0°
0°	417285
5°	399911
10°	380839
15°	361929
20°	336698
25°	310832
30°	269689
35°	193514
40°	105107
45°	44863
50°	19265
55°	6967
60°	1283
65°	1051
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.6	9.5
10°-20°	198.5	24.9
20°-30°	259.5	32.5
30°-40°	197.4	24.8
40°-50°	57.1	7.2
50°-60°	8.6	1.1
60°-70°	0.8	0.1
70°-80°	0.2	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°	533.6	66.9
0°-40°	731.1	91.7
0°-60°	796.7	99.9
0°-90°	797.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	846	
5°	808	76
15°	709	198
25°	571	260
35°	321	197
45°	64	57
55°	8	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	845.8
1°	842.9
2°	838.2
3°	828.8
4°	818.6
5°	807.5
6°	796.8
7°	787.5
8°	778.5
9°	770.4
10°	760.2
11°	751.2
12°	741.9
13°	732.5
14°	722.3
15°	708.6
16°	698.4
17°	686.1
18°	667.3
19°	657.5
20°	641.3
21°	626.8
22.5°	604.7
23°	596.1
24°	582.9
25°	571.0
26°	555.2
27°	537.8
28°	518.6
29°	498.1
30°	473.4
32.5°	405.7
35°	321.3
37.5°	236.9
40°	163.2
42.5°	103.5
45°	64.3
47.5°	40.1
50°	25.1
52.5°	14.9
55°	8.1
57.5°	3.0
60°	1.3
62.5°	0.9
65°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)