

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: P498238

Luminaire Tested: **LDA2B158050R70D010 2LBD1MB**

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: P498238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158050R70D010 2LBD1MB  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

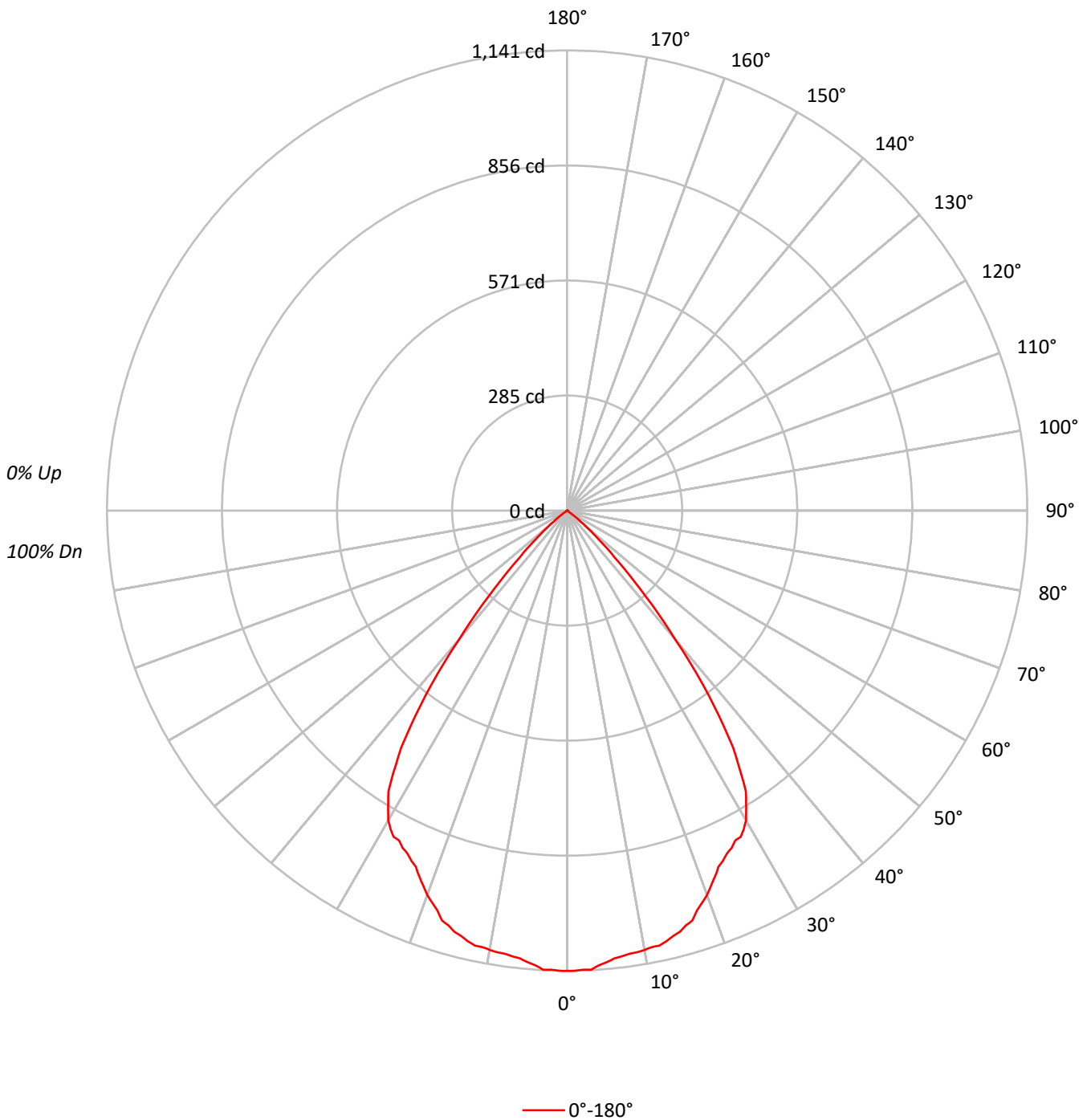
Lumens per Lamp: N/A  
Luminaire Lumens: 1441.2 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78				78
4	95	87	81	77	93	86	81	76	84	79	75	82	78	74	80	76	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	54	52				52
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45				45

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

	0°
0°	563123
5°	556905
10°	554126
15°	552240
20°	532533
25°	510505
30°	505368
35°	431596
40°	269337
45°	124613
50°	45131
55°	3183
60°	1480
65°	1751
70°	1010
75°	1334
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	7.4
10°-20°	302.8	21.0
20°-30°	435.4	30.2
30°-40°	429.2	29.8
40°-50°	152.9	10.6
50°-60°	12.6	0.9
60°-70°	1.2	0.1
70°-80°	0.5	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°	844.9	58.6
0°-40°	1274.0	88.4
0°-60°	1439.6	99.9
0°-90°	1441.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1141	
5°	1124	107
15°	1081	303
25°	938	435
35°	717	429
45°	179	153
55°	4	13
65°	2	1
75°	1	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1141.4
1°	1141.4
2°	1139.2
3°	1139.9
4°	1130.4
5°	1124.5
6°	1116.4
7°	1113.5
8°	1109.8
9°	1109.1
10°	1106.1
11°	1102.5
12°	1102.5
13°	1095.9
14°	1087.0
15°	1081.2
16°	1069.4
17°	1062.8
18°	1042.2
19°	1028.2
20°	1014.3
21°	995.9
22.5°	970.2
23°	959.9
24°	950.3
25°	937.8
26°	930.5
27°	918.0
28°	916.5
29°	903.3
30°	887.1
32.5°	824.6
35°	716.6
37.5°	576.2
40°	418.2
42.5°	285.9
45°	178.6
47.5°	106.6
50°	58.8
52.5°	22.0
55°	3.7
57.5°	2.2
60°	1.5
62.5°	1.5
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)