

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: P500409

Luminaire Tested: **LDA2B208030R70D010 2LBDL1MMS**

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: P500409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B208030R70D010 2LBDL1MMS  
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

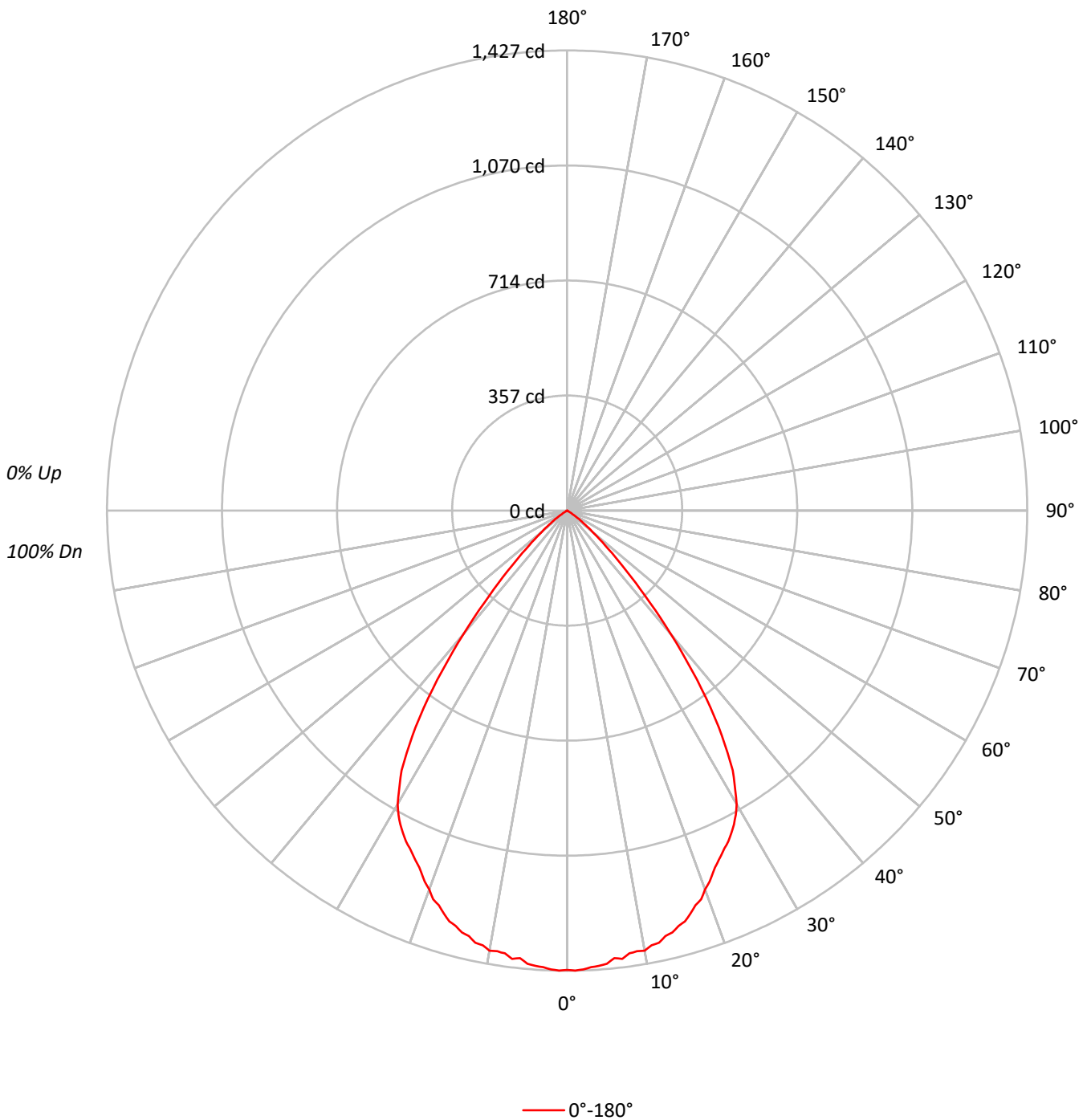
Lumens per Lamp: N/A  
Luminaire Lumens: 1775.6 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.6  
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	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63		71	66	63		70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58		66	61	58		65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

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

	0°
0°	702942
5°	698892
10°	694198
15°	681310
20°	656701
25°	628687
30°	598910
35°	494174
40°	321182
45°	167871
50°	78058
55°	28557
60°	2861
65°	2335
70°	1442
75°	1906
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.5	7.5
10°-20°	374.9	21.1
20°-30°	532.0	30.0
30°-40°	497.5	28.0
40°-50°	200.1	11.3
50°-60°	35.0	2.0
60°-70°	1.7	0.1
70°-80°	0.9	0.1
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°	1040.4	58.6
0°-40°	1537.9	86.6
0°-60°	1773.0	99.9
0°-90°	1775.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1425	
5°	1411	133
15°	1334	375
25°	1155	532
35°	820	498
45°	241	200
55°	33	35
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1424.8
1°	1426.8
2°	1423.9
3°	1418.0
4°	1415.1
5°	1411.2
6°	1395.5
7°	1400.4
8°	1386.7
9°	1383.8
10°	1385.7
11°	1373.0
12°	1370.1
13°	1354.4
14°	1348.6
15°	1333.9
16°	1325.1
17°	1307.5
18°	1287.0
19°	1275.2
20°	1250.8
21°	1232.2
22.5°	1198.0
23°	1189.2
24°	1172.5
25°	1154.9
26°	1141.2
27°	1121.7
28°	1102.1
29°	1078.7
30°	1051.3
32.5°	955.4
35°	820.5
37.5°	661.1
40°	498.7
42.5°	356.0
45°	240.6
47.5°	158.4
50°	101.7
52.5°	63.6
55°	33.2
57.5°	10.8
60°	2.9
62.5°	2.0
65°	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)