

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: P500199

Luminaire Tested: **LDA2B208027R70D010 2LBDLC1MMS**

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: P500199
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: LDA2B208027R70D010 2LBDLC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

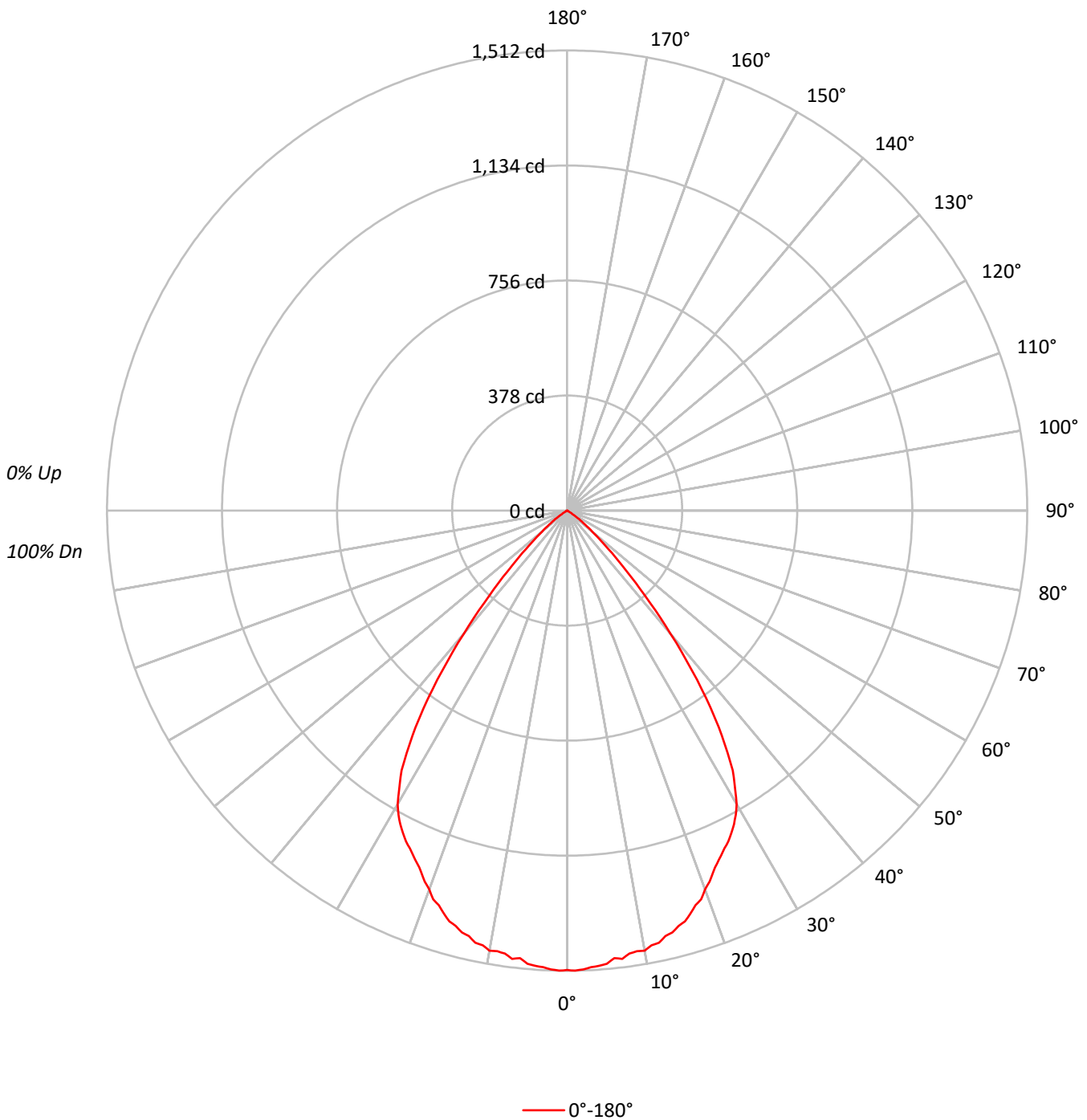
Lumens per Lamp: N/A
Luminaire Lumens: 1881.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	744878
5°	740542
10°	735578
15°	721916
20°	695815
25°	666193
30°	634572
35°	523625
40°	340374
45°	177849
50°	82740
55°	30277
60°	3059
65°	2452
70°	1442
75°	1906
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	7.5
10°-20°	397.2	21.1
20°-30°	563.7	30.0
30°-40°	527.2	28.0
40°-50°	212.0	11.3
50°-60°	37.1	2.0
60°-70°	1.8	0.1
70°-80°	0.9	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°	1102.4	58.6
0°-40°	1629.5	86.6
0°-60°	1878.6	99.9
0°-90°	1881.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1881.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1510	
5°	1495	141
15°	1413	397
25°	1224	564
35°	869	527
45°	255	212
55°	35	37
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1509.8
1°	1511.8
2°	1508.7
3°	1502.5
4°	1499.4
5°	1495.3
6°	1478.7
7°	1483.9
8°	1469.4
9°	1466.3
10°	1468.3
11°	1454.9
12°	1451.7
13°	1435.2
14°	1428.9
15°	1413.4
16°	1404.1
17°	1385.4
18°	1363.7
19°	1351.2
20°	1325.3
21°	1305.6
22.5°	1269.4
23°	1260.0
24°	1242.4
25°	1223.8
26°	1209.3
27°	1188.5
28°	1167.8
29°	1142.9
30°	1113.9
32.5°	1012.4
35°	869.4
37.5°	700.5
40°	528.5
42.5°	377.2
45°	254.9
47.5°	167.9
50°	107.8
52.5°	67.4
55°	35.2
57.5°	11.4
60°	3.1
62.5°	2.1
65°	2.1



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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)