

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: P500076

Luminaire Tested: **LDA2B208027R35D010 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: P500076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B208027R35D010 2LBD1MB  
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**

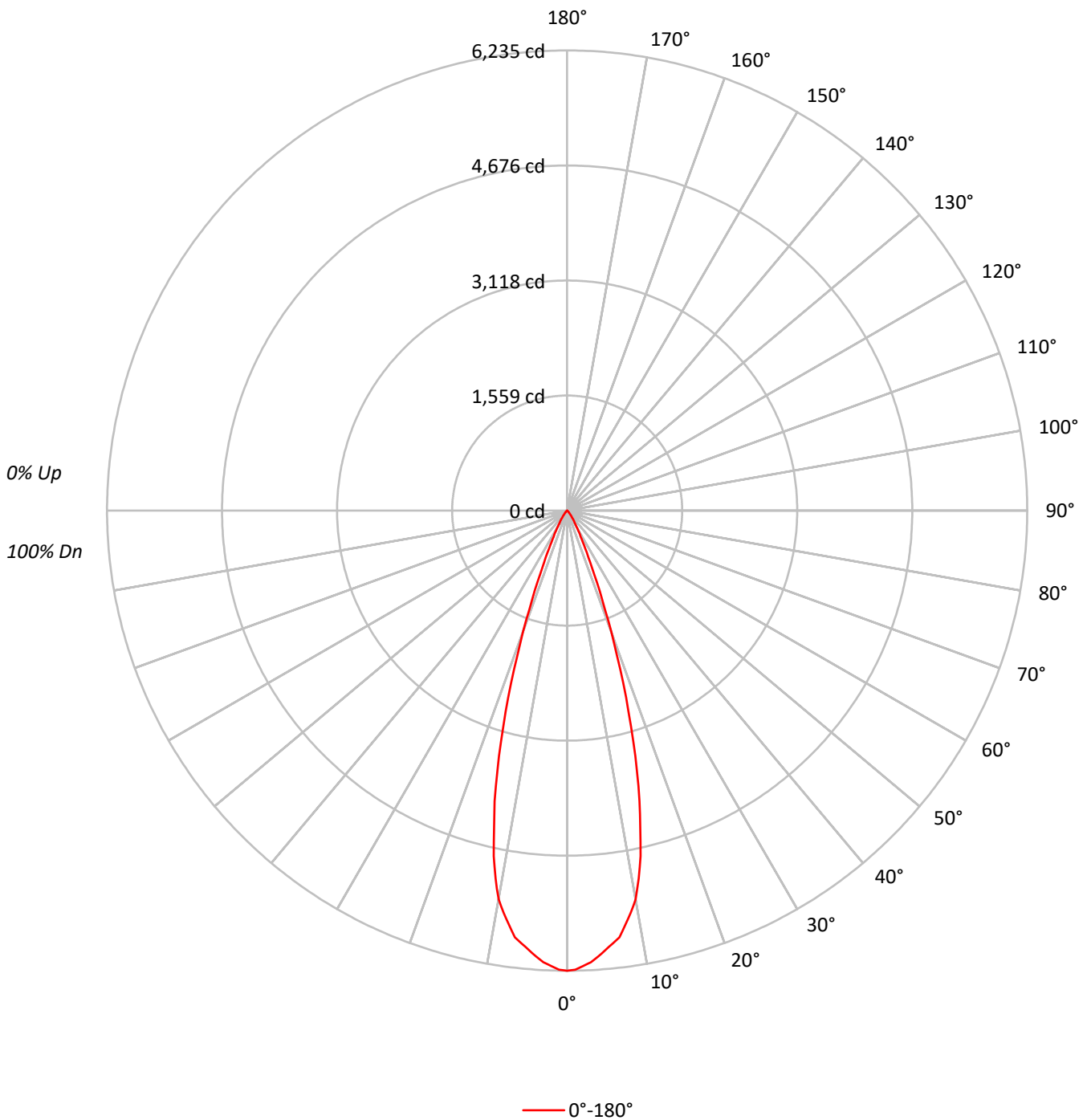
Lumens per Lamp: N/A  
Luminaire Lumens: 1957.6 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.6  
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

TEST NUMBER: P500076

CATALOG NUMBER: LDA2B208027R35D010 2LBD1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P500076

CATALOG NUMBER: LDA2B208027R35D010 2LBD1MB

**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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

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

	0°
0°	3076308
5°	2959246
10°	2680104
15°	1865623
20°	914278
25°	341044
30°	149770
35°	72816
40°	33361
45°	18071
50°	8827
55°	2494
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P500076

CATALOG NUMBER: LDA2B208027R35D010 2LBD1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.1	28.2
10°-20°	967.8	49.4
20°-30°	329.8	16.8
30°-40°	82.0	4.2
40°-50°	21.1	1.1
50°-60°	3.9	0.2
60°-70°	0.9	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°	1849.6	94.5
0°-40°	1931.7	98.7
0°-60°	1956.7	100.0
0°-90°	1957.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6235	
5°	5975	552
15°	3653	968
25°	626	330
35°	121	82
45°	26	21
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P500076

CATALOG NUMBER: LDA2B208027R35D010 2LBD1MB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6235.4
1°	6222.9
2°	6174.9
3°	6128.9
4°	6055.0
5°	5975.3
6°	5897.6
7°	5824.7
8°	5667.4
9°	5514.8
10°	5349.8
11°	5079.2
12°	4785.6
13°	4407.6
14°	4057.4
15°	3652.6
16°	3257.3
17°	2845.7
18°	2460.9
19°	2071.4
20°	1741.4
21°	1426.7
22.5°	1046.7
23°	940.2
24°	767.5
25°	626.5
26°	518.1
27°	432.7
28°	364.6
29°	308.0
30°	262.9
32.5°	178.5
35°	120.9
37.5°	81.6
40°	51.8
42.5°	35.5
45°	25.9
47.5°	18.2
50°	11.5
52.5°	6.7
55°	2.9
57.5°	1.9
60°	1.0
62.5°	1.0
65°	1.0



TEST NUMBER: P500076

CATALOG NUMBER: LDA2B208027R35D010 2LBD1MB

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
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)