

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: P500631

Luminaire Tested: **LDA2B208035R70D010 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: P500631  
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: LDA2B208035R70D010 2LBDLC1MMS  
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

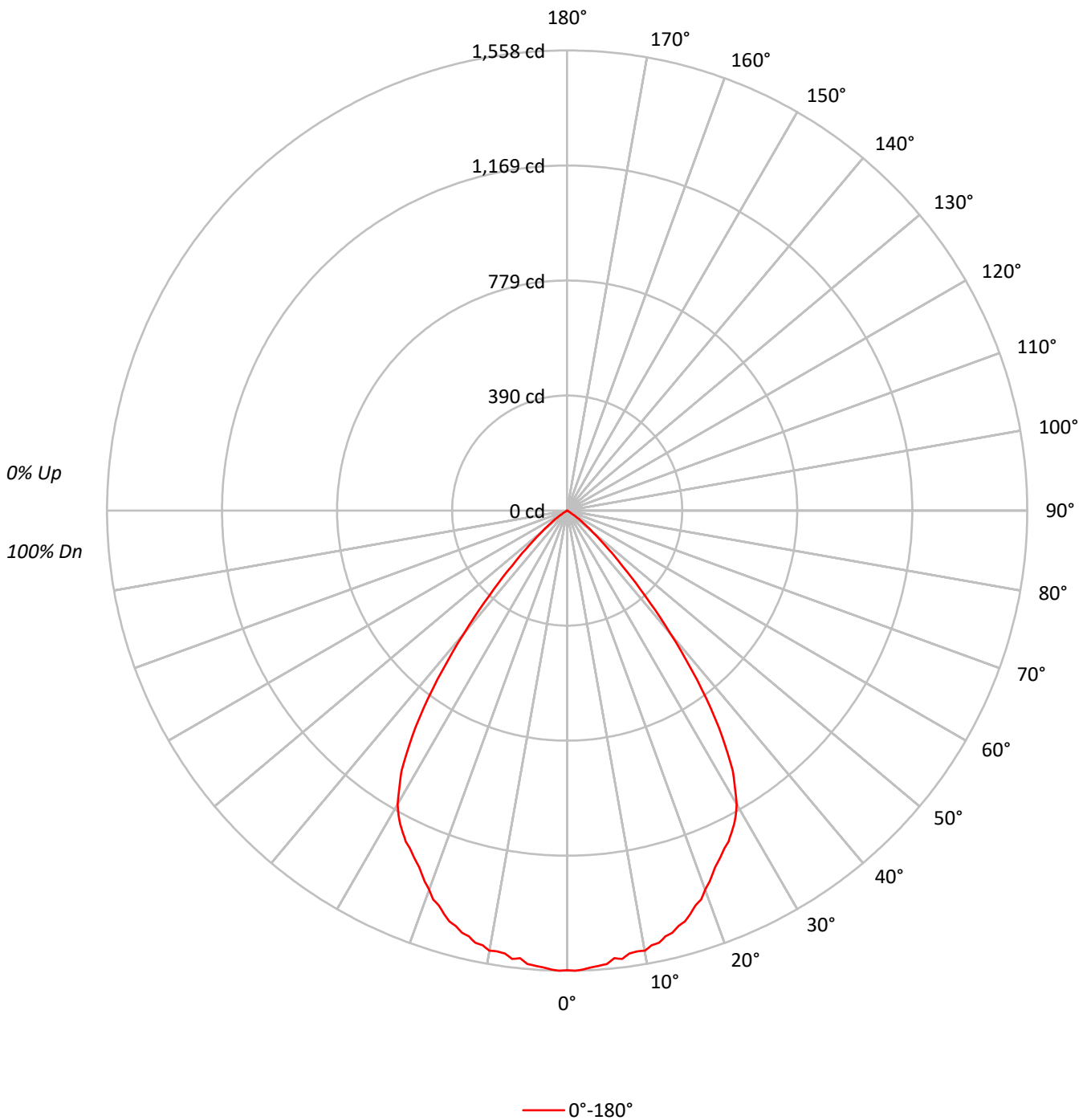
Lumens per Lamp: N/A  
Luminaire Lumens: 1938.9 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P500631

CATALOG NUMBER: LDA2B208035R70D010 2LBDLC1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P500631

CATALOG NUMBER: LDA2B208035R70D010 2LBDLC1MMS

**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°	767671
5°	763175
10°	758072
15°	743981
20°	717131
25°	686553
30°	653999
35°	539646
40°	350743
45°	183291
50°	85273
55°	31223
60°	3158
65°	2452
70°	1587
75°	2097
80°	0
85°	0



TEST NUMBER: P500631

CATALOG NUMBER: LDA2B208035R70D010 2LBDLC1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.7	7.5
10°-20°	409.4	21.1
20°-30°	581.0	30.0
30°-40°	543.3	28.0
40°-50°	218.5	11.3
50°-60°	38.2	2.0
60°-70°	1.8	0.1
70°-80°	1.0	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°	1136.1	58.6
0°-40°	1679.4	86.6
0°-60°	1936.1	99.9
0°-90°	1938.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1556	
5°	1541	146
15°	1457	409
25°	1261	581
35°	896	543
45°	263	219
55°	36	38
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P500631

CATALOG NUMBER: LDA2B208035R70D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1556.0
1°	1558.1
2°	1554.9
3°	1548.5
4°	1545.3
5°	1541.0
6°	1523.9
7°	1529.3
8°	1514.3
9°	1511.1
10°	1513.2
11°	1499.4
12°	1496.2
13°	1479.1
14°	1472.7
15°	1456.6
16°	1447.0
17°	1427.8
18°	1405.4
19°	1392.6
20°	1365.9
21°	1345.6
22.5°	1308.2
23°	1298.6
24°	1280.4
25°	1261.2
26°	1246.3
27°	1224.9
28°	1203.5
29°	1177.9
30°	1148.0
32.5°	1043.4
35°	896.0
37.5°	721.9
40°	544.6
42.5°	388.7
45°	262.7
47.5°	173.0
50°	111.1
52.5°	69.4
55°	36.3
57.5°	11.7
60°	3.2
62.5°	2.1
65°	2.1



TEST NUMBER: P500631

CATALOG NUMBER: LDA2B208035R70D010 2LBDLC1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)