

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: P500171

Luminaire Tested: **LDA2B208027R65D010 2LBDL1MW**

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: P500171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B208027R65D010 2LBDL1MW  
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

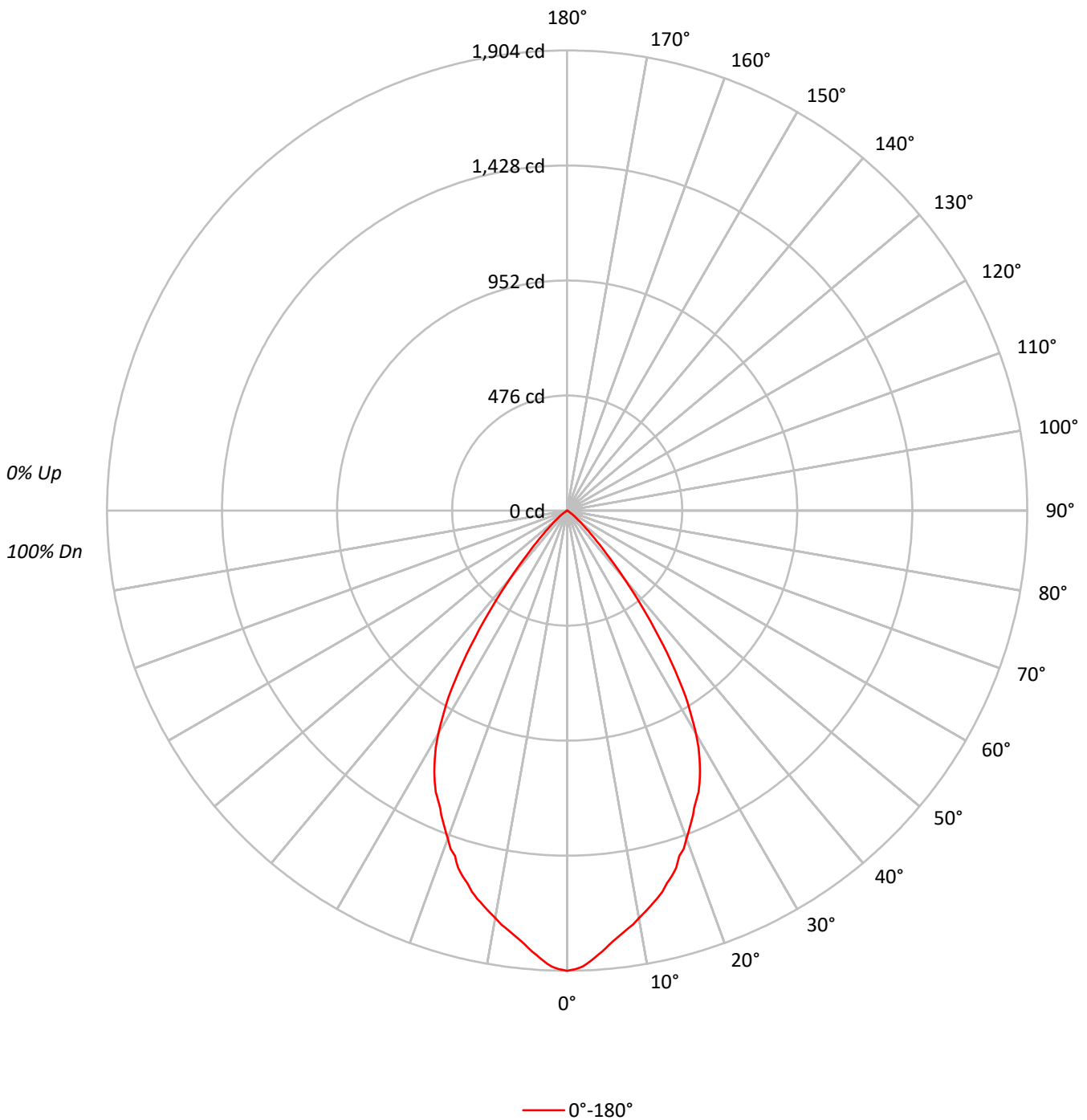
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1795.9 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94  
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: P500171  
CATALOG NUMBER: LDA2B208027R65D010 2LBDL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P500171

CATALOG NUMBER: LDA2B208027R65D010 2LBDL1MW

**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	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	57	54		62	57	54		61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50		59	54	50		58	53	50	49

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

	0°
0°	939608
5°	900407
10°	857465
15°	814927
20°	758083
25°	699835
30°	607227
35°	435692
40°	236684
45°	101099
50°	43442
55°	15655
60°	2861
65°	2218
70°	1442
75°	0
80°	0
85°	0



TEST NUMBER: P500171

CATALOG NUMBER: LDA2B208027R65D010 2LBDL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.2	9.5
10°-20°	446.9	24.9
20°-30°	584.3	32.5
30°-40°	444.5	24.8
40°-50°	128.5	7.2
50°-60°	19.3	1.1
60°-70°	1.7	0.1
70°-80°	0.4	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°	1201.5	66.9
0°-40°	1646.0	91.7
0°-60°	1793.9	99.9
0°-90°	1795.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1904	
5°	1818	170
15°	1596	447
25°	1286	584
35°	723	445
45°	145	129
55°	18	19
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P500171

CATALOG NUMBER: LDA2B208027R65D010 2LBDL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1904.5
1°	1897.8
2°	1887.2
3°	1866.1
4°	1843.1
5°	1818.1
6°	1794.1
7°	1773.0
8°	1752.9
9°	1734.7
10°	1711.6
11°	1691.5
12°	1670.4
13°	1649.3
14°	1626.2
15°	1595.5
16°	1572.5
17°	1544.7
18°	1502.5
19°	1480.4
20°	1443.9
21°	1411.3
22.5°	1361.4
23°	1342.2
24°	1312.5
25°	1285.6
26°	1250.1
27°	1210.8
28°	1167.6
29°	1121.6
30°	1065.9
32.5°	913.4
35°	723.4
37.5°	533.4
40°	367.5
42.5°	233.1
45°	144.9
47.5°	90.2
50°	56.6
52.5°	33.6
55°	18.2
57.5°	6.7
60°	2.9
62.5°	1.9
65°	1.9



TEST NUMBER: P500171

CATALOG NUMBER: LDA2B208027R65D010 2LBDL1MW

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
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)