

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: P500161

Luminaire Tested: **LDA2B208027R65D010 2LBD1MW**

Issue Date: 3/8/2021

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: P500161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B208027R65D010 2LBD1MW  
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**

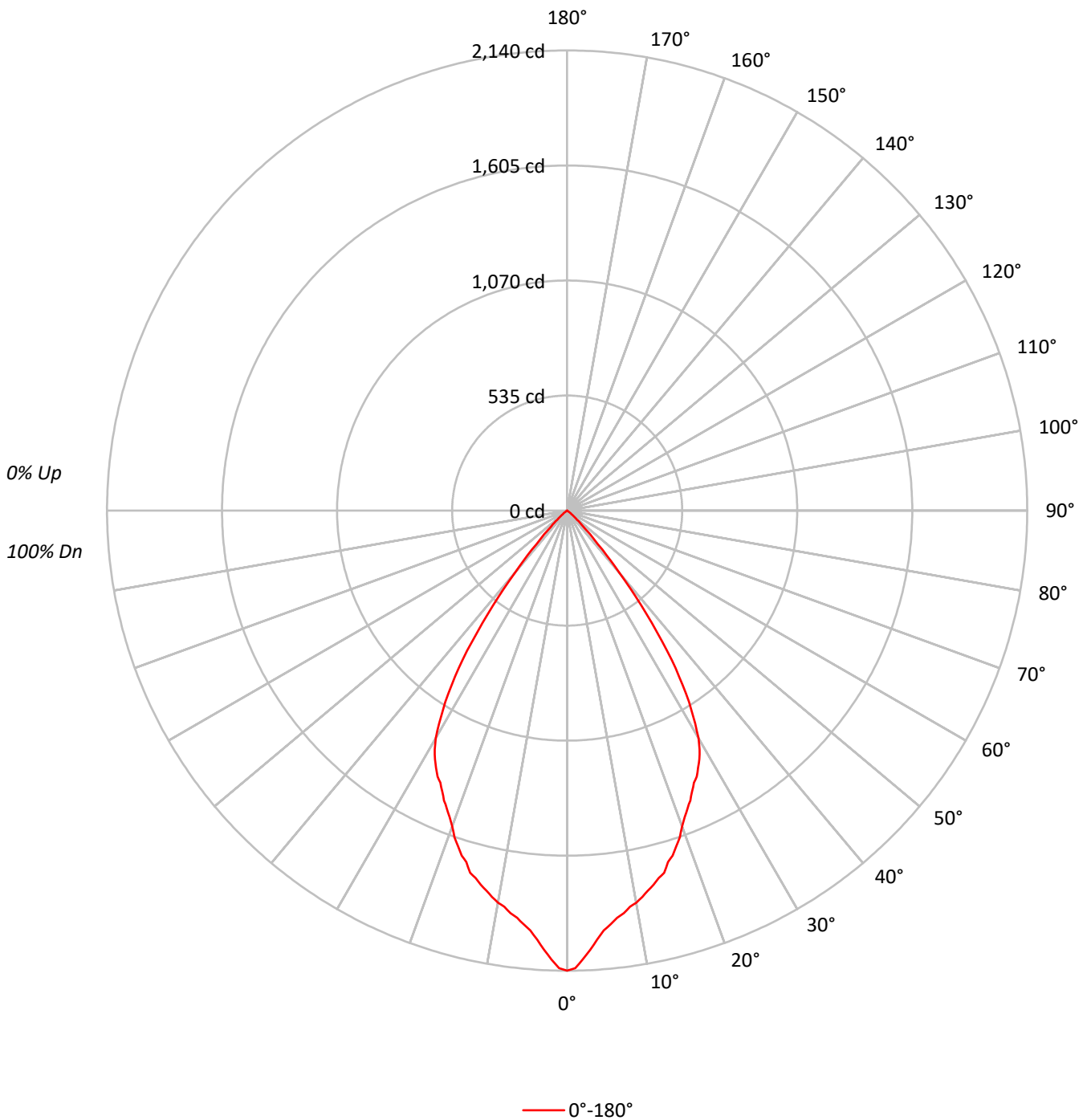
Lumens per Lamp: N/A  
Luminaire Lumens: 1942.8 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

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

	0°
0°	1055548
5°	970732
10°	927651
15°	890878
20°	820561
25°	759933
30°	696326
35°	511399
40°	242223
45°	79680
50°	25789
55°	3269
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.1	9.5
10°-20°	485.1	25.0
20°-30°	643.5	33.1
30°-40°	509.1	26.2
40°-50°	111.2	5.7
50°-60°	8.2	0.4
60°-70°	1.1	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°	1312.7	67.6
0°-40°	1821.8	93.8
0°-60°	1941.3	99.9
0°-90°	1942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2140	
5°	1960	184
15°	1744	485
25°	1396	643
35°	849	509
45°	114	111
55°	4	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2139.5
1°	2128.0
2°	2088.7
3°	2045.5
4°	2000.4
5°	1960.1
6°	1934.2
7°	1908.3
8°	1891.0
9°	1865.1
10°	1851.7
11°	1830.6
12°	1806.6
13°	1785.5
14°	1761.5
15°	1744.2
16°	1700.1
17°	1678.0
18°	1641.6
19°	1608.0
20°	1562.9
21°	1526.5
22.5°	1478.5
23°	1465.0
24°	1428.6
25°	1396.0
26°	1375.8
27°	1342.2
28°	1309.6
29°	1270.3
30°	1222.3
32.5°	1055.4
35°	849.1
37.5°	605.4
40°	376.1
42.5°	212.0
45°	114.2
47.5°	61.4
50°	33.6
52.5°	14.4
55°	3.8
57.5°	1.9
60°	1.9
62.5°	1.0
65°	1.0



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**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)