

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: P499899

Luminaire Tested: **LDA2B159730R45D010 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: P499899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159730R45D010 2LBD1MW  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

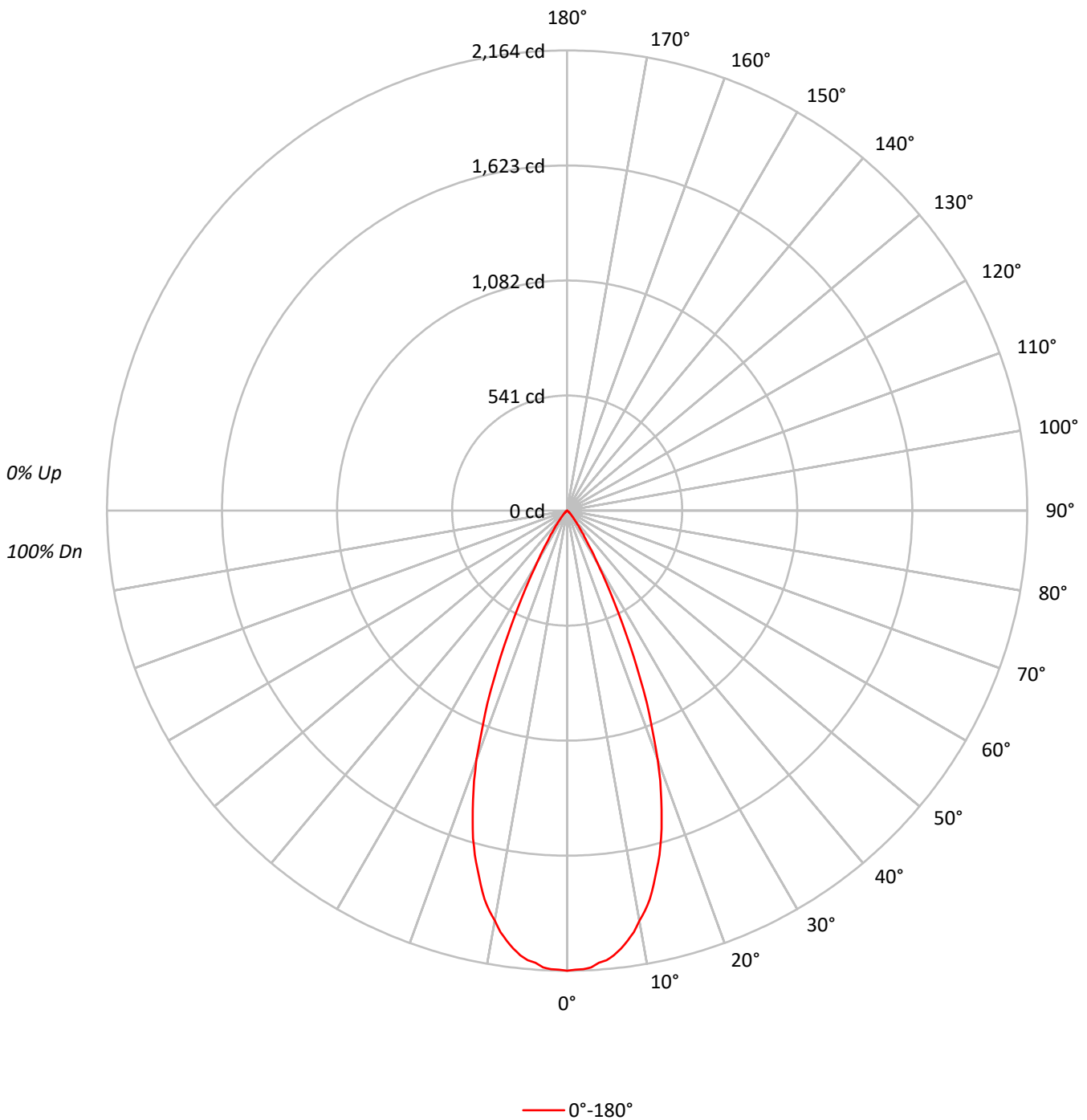
Lumens per Lamp: N/A  
Luminaire Lumens: 1075.6 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	86	81	78	92	86	81	77	84	80	77	83	79	76	82	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	66
10	81	73	68	65	80	72	68	64	71	67	64	71	67	64	70	67	64	63

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

	0°
0°	1067635
5°	1051309
10°	981105
15°	856197
20°	654706
25°	380184
30°	161278
35°	66793
40°	29497
45°	15280
50°	7599
55°	1806
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.6	18.4
10°-20°	457.2	42.5
20°-30°	319.7	29.7
30°-40°	79.1	7.4
40°-50°	18.3	1.7
50°-60°	3.0	0.3
60°-70°	0.6	0.1
70°-80°	0.2	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°	974.4	90.6
0°-40°	1053.5	97.9
0°-60°	1074.9	99.9
0°-90°	1075.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2164	
5°	2123	198
15°	1676	457
25°	698	320
35°	111	79
45°	22	18
55°	2	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2164.0
1°	2159.3
2°	2158.2
3°	2151.5
4°	2132.2
5°	2122.8
6°	2103.6
7°	2076.0
8°	2042.2
9°	2007.3
10°	1958.4
11°	1918.3
12°	1869.4
13°	1805.9
14°	1741.4
15°	1676.3
16°	1604.5
17°	1519.1
18°	1432.7
19°	1343.8
20°	1247.0
21°	1130.9
22.5°	980.5
23°	918.6
24°	807.2
25°	698.4
26°	596.4
27°	501.2
28°	417.4
29°	344.5
30°	283.1
32.5°	174.3
35°	110.9
37.5°	71.8
40°	45.8
42.5°	31.2
45°	21.9
47.5°	15.6
50°	9.9
52.5°	5.2
55°	2.1
57.5°	1.0
60°	1.0
62.5°	0.5
65°	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
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)