

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: P498636

Luminaire Tested: **LDA2B159027R60D010 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: P498636  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159027R60D010 2LBDL1MW  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

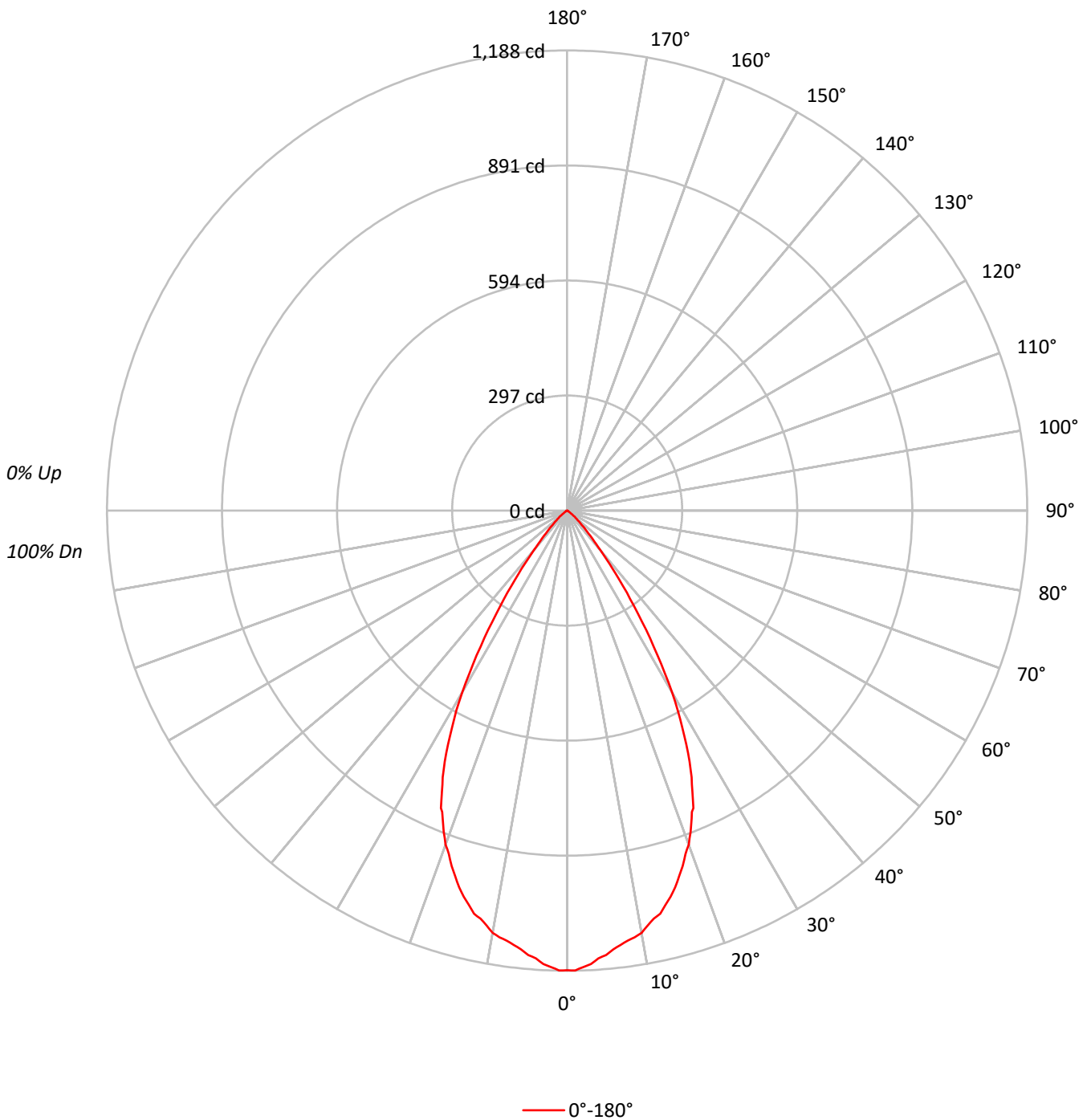
Lumens per Lamp: N/A  
Luminaire Lumens: 989.4 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65		72	68	64		71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	57	54	52

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

	0°
0°	585571
5°	570326
10°	554577
15°	527110
20°	481658
25°	413608
30°	307744
35°	180685
40°	86108
45°	40189
50°	20033
55°	7053
60°	1579
65°	1284
70°	721
75°	953
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.4	11.0
10°-20°	287.2	29.0
20°-30°	341.0	34.5
30°-40°	192.4	19.5
40°-50°	50.0	5.1
50°-60°	9.1	0.9
60°-70°	0.9	0.1
70°-80°	0.3	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°	736.5	74.4
0°-40°	929.0	93.9
0°-60°	988.1	99.9
0°-90°	989.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1187	
5°	1152	108
15°	1032	287
25°	760	341
35°	300	192
45°	58	50
55°	8	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1186.9
1°	1187.5
2°	1179.3
3°	1172.2
4°	1158.7
5°	1151.6
6°	1139.1
7°	1129.9
8°	1121.2
9°	1115.2
10°	1107.0
11°	1091.3
12°	1076.6
13°	1068.4
14°	1049.4
15°	1032.0
16°	1011.9
17°	988.0
18°	965.2
19°	938.0
20°	917.4
21°	889.1
22.5°	842.4
23°	834.2
24°	794.5
25°	759.8
26°	721.2
27°	676.6
28°	632.6
29°	589.7
30°	540.2
32.5°	415.7
35°	300.0
37.5°	204.9
40°	133.7
42.5°	87.5
45°	57.6
47.5°	39.1
50°	26.1
52.5°	16.3
55°	8.2
57.5°	3.3
60°	1.6
62.5°	1.1
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)