

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: P498851

Luminaire Tested: **LDA2B159030R60D010 2LBDL1MMS**

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: P498851  
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: LDA2B159030R60D010 2LBDL1MMS  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

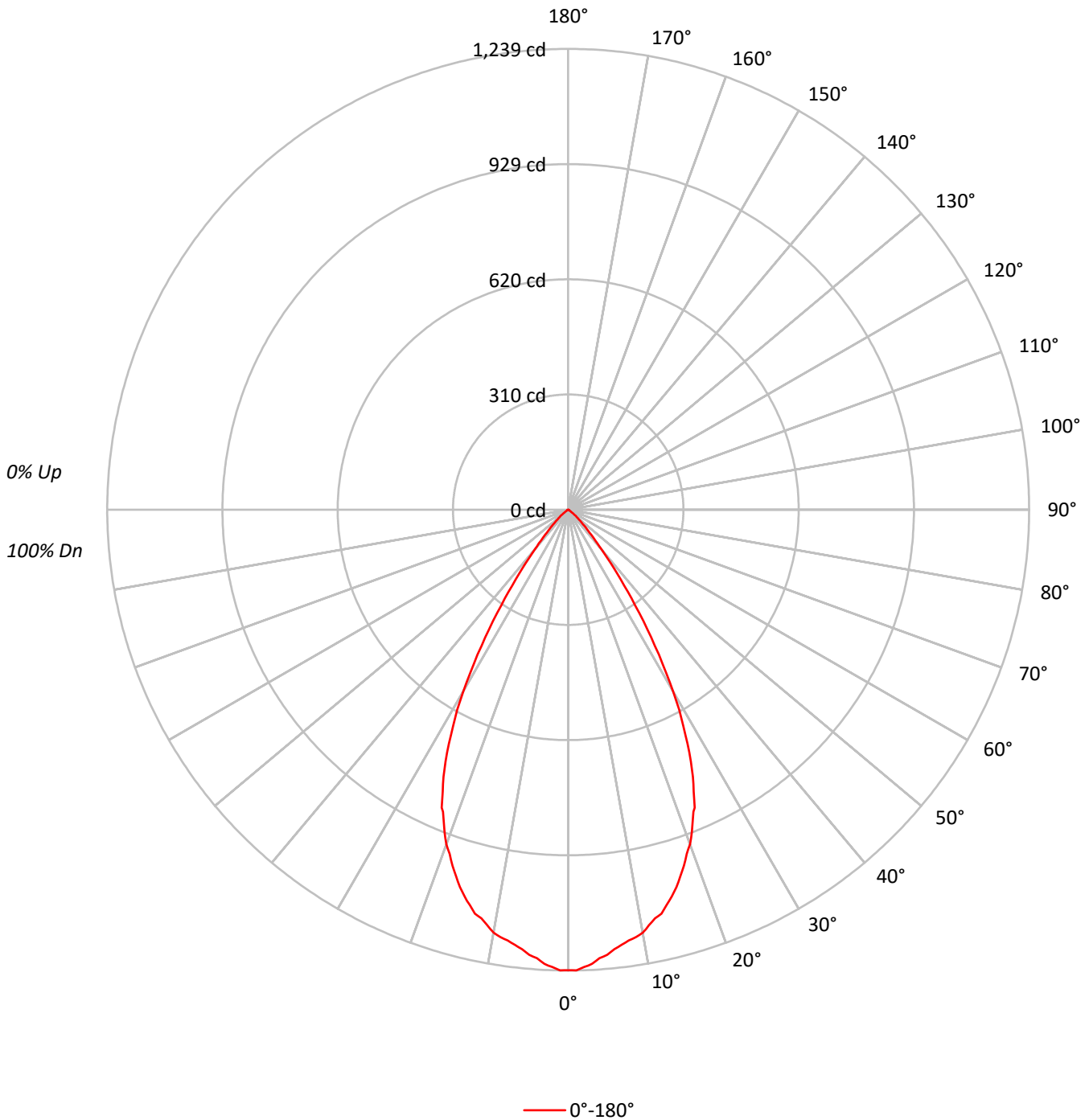
Lumens per Lamp: N/A  
Luminaire Lumens: 1032.2 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P498851

CATALOG NUMBER: LDA2B159030R60D010 2LBDL1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P498851

CATALOG NUMBER: LDA2B159030R60D010 2LBDL1MMS

**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	90	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	88	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	53	52

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

	0°
0°	610930
5°	595038
10°	578623
15°	549941
20°	502501
25°	431518
30°	321075
35°	188515
40°	89843
45°	41933
50°	20877
55°	7311
60°	1677
65°	1284
70°	865
75°	1144
80°	0
85°	0



TEST NUMBER: P498851

CATALOG NUMBER: LDA2B159030R60D010 2LBDL1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.1	11.0
10°-20°	299.6	29.0
20°-30°	355.7	34.5
30°-40°	200.8	19.5
40°-50°	52.2	5.1
50°-60°	9.5	0.9
60°-70°	1.0	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°	768.4	74.4
0°-40°	969.2	93.9
0°-60°	1030.9	99.9
0°-90°	1032.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1238	
5°	1202	113
15°	1077	300
25°	793	356
35°	313	201
45°	60	52
55°	8	9
65°	1	1
75°	1	0
85°	0	0
90°	0	



TEST NUMBER: P498851

CATALOG NUMBER: LDA2B159030R60D010 2LBDL1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1238.3
1°	1238.9
2°	1230.4
3°	1223.0
4°	1208.8
5°	1201.5
6°	1188.4
7°	1178.8
8°	1169.7
9°	1163.5
10°	1155.0
11°	1138.5
12°	1123.2
13°	1114.7
14°	1094.9
15°	1076.7
16°	1055.7
17°	1030.8
18°	1007.0
19°	978.6
20°	957.1
21°	927.6
22.5°	878.8
23°	870.3
24°	828.9
25°	792.7
26°	752.4
27°	705.9
28°	660.0
29°	615.2
30°	563.6
32.5°	433.7
35°	313.0
37.5°	213.8
40°	139.5
42.5°	91.3
45°	60.1
47.5°	40.8
50°	27.2
52.5°	17.0
55°	8.5
57.5°	3.4
60°	1.7
62.5°	1.1
65°	1.1



TEST NUMBER: P498851

CATALOG NUMBER: LDA2B159030R60D010 2LBDL1MMS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)