

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: P499486

Luminaire Tested: **LDA2B159050R60D010 2LBD1H**

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: P499486  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159050R60D010 2LBD1H  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

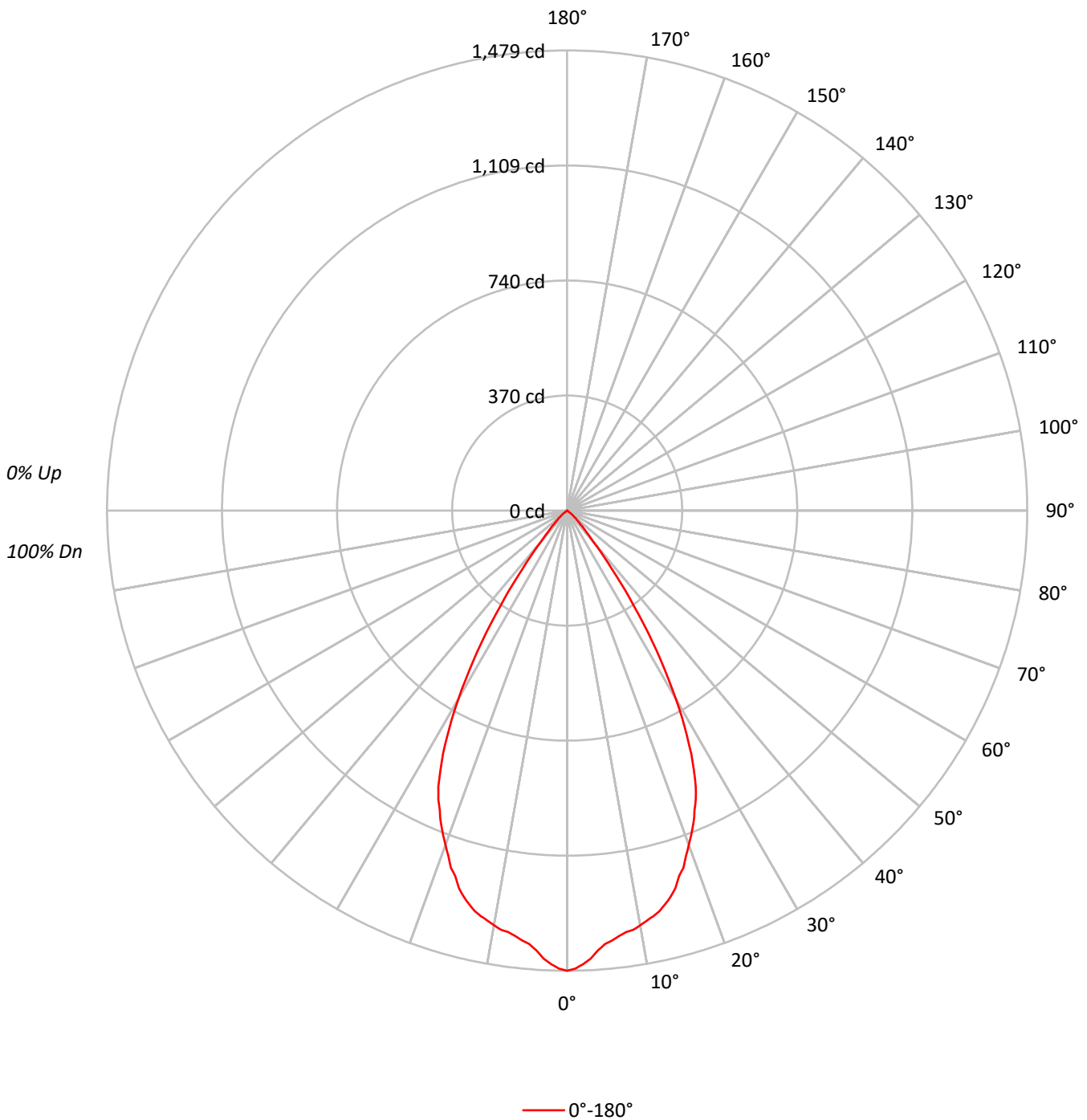
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1218.8 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87  
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

TEST NUMBER: P499486  
CATALOG NUMBER: LDA2B159050R60D010 2LBD1H

### Luminous Intensity Polar Plot





TEST NUMBER: P499486

CATALOG NUMBER: LDA2B159050R60D010 2LBD1H

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

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

	0°
0°	729731
5°	692751
10°	678217
15°	656436
20°	600208
25°	532878
30°	398609
35°	225013
40°	84691
45°	37886
50°	18498
55°	3699
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P499486

CATALOG NUMBER: LDA2B159050R60D010 2LBD1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	10.9
10°-20°	357.0	29.3
20°-30°	436.1	35.8
30°-40°	237.9	19.5
40°-50°	47.6	3.9
50°-60°	6.8	0.6
60°-70°	0.8	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°	925.5	75.9
0°-40°	1163.4	95.5
0°-60°	1217.8	99.9
0°-90°	1218.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1479	
5°	1399	132
15°	1285	357
25°	979	436
35°	374	238
45°	54	48
55°	4	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499486

CATALOG NUMBER: LDA2B159050R60D010 2LBD1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1479.1
1°	1472.3
2°	1459.4
3°	1442.1
4°	1417.4
5°	1398.8
6°	1389.0
7°	1377.2
8°	1368.0
9°	1363.6
10°	1353.8
11°	1342.6
12°	1332.8
13°	1321.0
14°	1303.7
15°	1285.2
16°	1261.7
17°	1229.0
18°	1208.0
19°	1174.0
20°	1143.2
21°	1114.8
22.5°	1067.2
23°	1047.4
24°	1017.2
25°	978.9
26°	930.1
27°	878.8
28°	820.2
29°	764.6
30°	699.7
32.5°	536.7
35°	373.6
37.5°	234.1
40°	131.5
42.5°	82.1
45°	54.3
47.5°	37.1
50°	24.1
52.5°	12.4
55°	4.3
57.5°	1.9
60°	1.2
62.5°	1.2
65°	0.6



TEST NUMBER: P499486

CATALOG NUMBER: LDA2B159050R60D010 2LBD1H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
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)