

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: P499512

Luminaire Tested: **LDA2B159050R65D010 2LBD1MMS**

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: P499512  
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: LDA2B159050R65D010 2LBD1MMS  
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

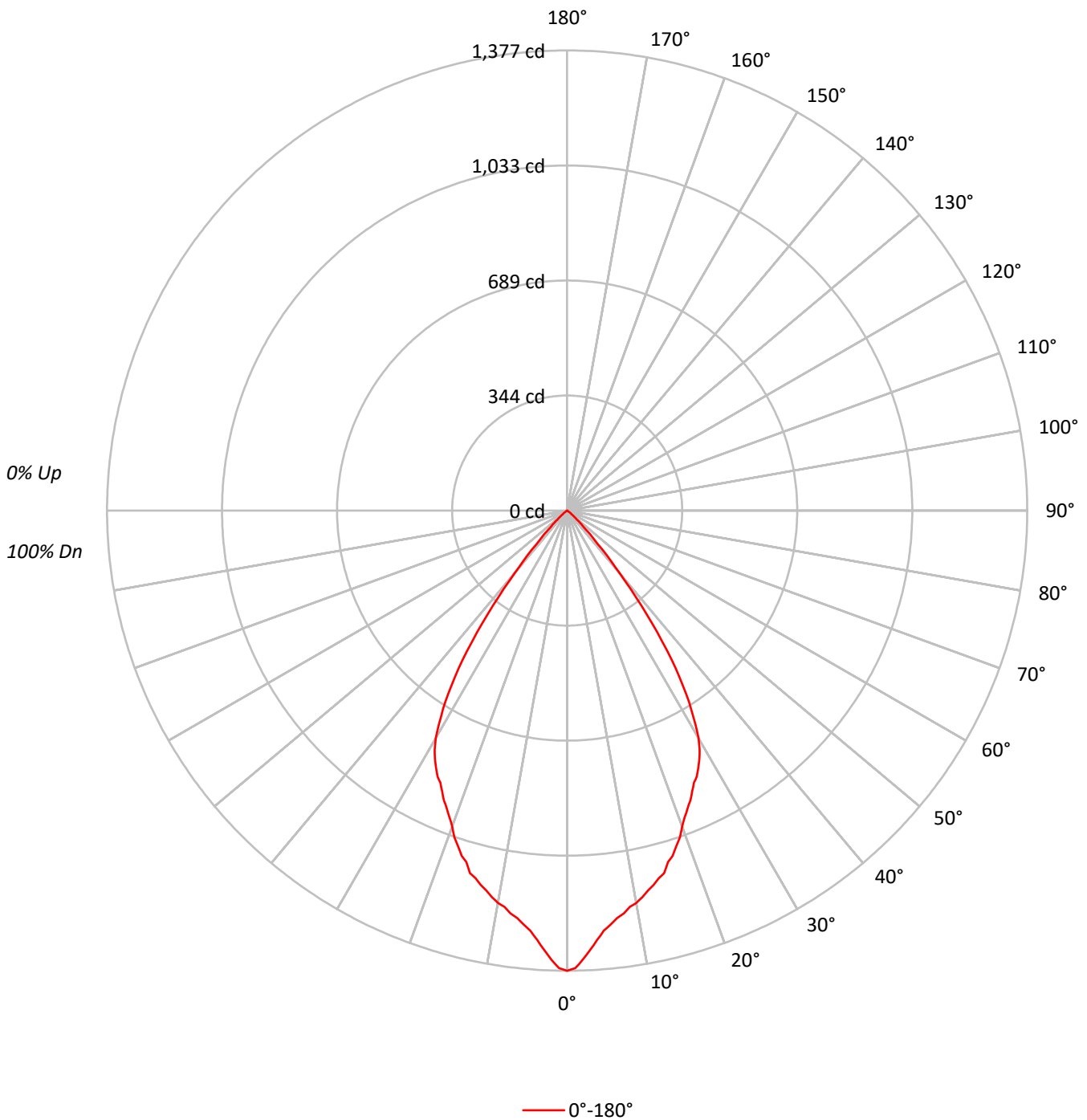
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1250.5 lumens  
Efficiency: N/A  
Efficacy: 88.7 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): 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: P499512  
CATALOG NUMBER: LDA2B159050R65D010 2LBD1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P499512

CATALOG NUMBER: LDA2B159050R65D010 2LBD1MMS

**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°	679458
5°	624852
10°	597109
15°	573488
20°	528227
25°	489166
30°	448228
35°	329208
40°	155922
45°	51282
50°	16579
55°	2150
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P499512

CATALOG NUMBER: LDA2B159050R65D010 2LBD1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	9.5
10°-20°	312.3	25.0
20°-30°	414.2	33.1
30°-40°	327.7	26.2
40°-50°	71.6	5.7
50°-60°	5.3	0.4
60°-70°	0.7	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°	845.0	67.6
0°-40°	1172.7	93.8
0°-60°	1249.6	99.9
0°-90°	1250.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1377	
5°	1262	119
15°	1123	312
25°	899	414
35°	547	328
45°	74	72
55°	2	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499512

CATALOG NUMBER: LDA2B159050R65D010 2LBD1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1377.2
1°	1369.8
2°	1344.5
3°	1316.7
4°	1287.7
5°	1261.7
6°	1245.1
7°	1228.4
8°	1217.3
9°	1200.6
10°	1191.9
11°	1178.4
12°	1162.9
13°	1149.3
14°	1133.9
15°	1122.8
16°	1094.4
17°	1080.2
18°	1056.7
19°	1035.1
20°	1006.1
21°	982.6
22.5°	951.7
23°	943.1
24°	919.6
25°	898.6
26°	885.6
27°	864.0
28°	843.0
29°	817.7
30°	786.8
32.5°	679.3
35°	546.6
37.5°	389.7
40°	242.1
42.5°	136.5
45°	73.5
47.5°	39.5
50°	21.6
52.5°	9.3
55°	2.5
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6



TEST NUMBER: P499512

CATALOG NUMBER: LDA2B159050R65D010 2LBD1MMS

**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)