

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: P499438

Luminaire Tested: **LDA2B159050R35D010 2LBD1WMH**

Issue Date: 3/12/2021

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: P499438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B159050R35D010 2LBD1WMH  
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**

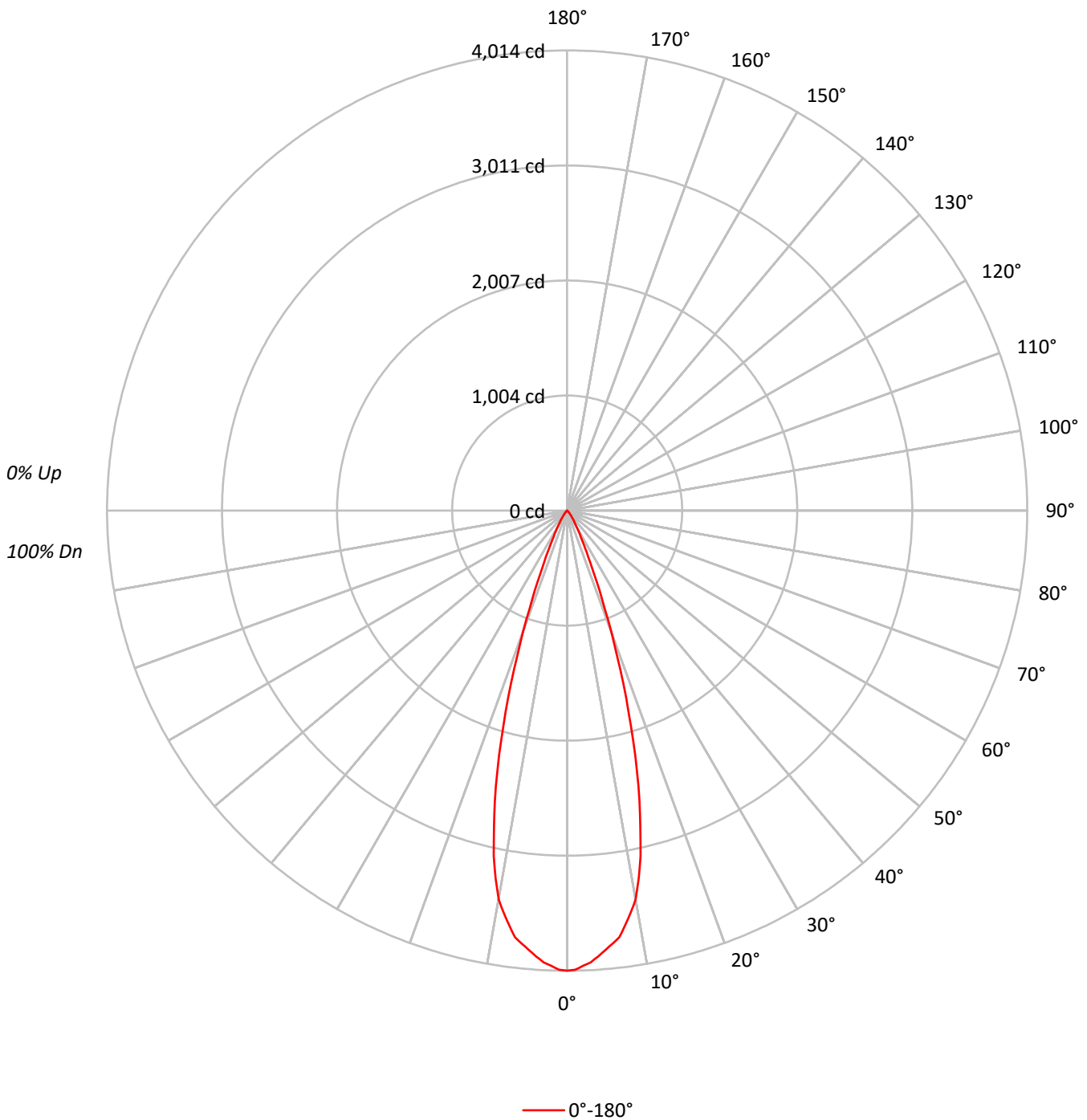
Lumens per Lamp: N/A  
Luminaire Lumens: 1260.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P499438

CATALOG NUMBER: LDA2B159050R35D010 2LBD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P499438

CATALOG NUMBER: LDA2B159050R35D010 2LBD1WMH

**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	115	113	111	109	112	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98		100	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	72	71

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

	0°
0°	1980206
5°	1904916
10°	1725200
15°	1200912
20°	588500
25°	219542
30°	96391
35°	46858
40°	21446
45°	11652
50°	5680
55°	1634
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P499438

CATALOG NUMBER: LDA2B159050R35D010 2LBD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.4	28.2
10°-20°	623.0	49.4
20°-30°	212.3	16.8
30°-40°	52.8	4.2
40°-50°	13.6	1.1
50°-60°	2.5	0.2
60°-70°	0.5	0.0
70°-80°	0.0	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°	1190.6	94.5
0°-40°	1243.4	98.7
0°-60°	1259.5	100.0
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4014	
5°	3846	355
15°	2351	623
25°	403	212
35°	78	53
45°	17	14
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499438

CATALOG NUMBER: LDA2B159050R35D010 2LBD1WMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4013.7
1°	4005.7
2°	3974.8
3°	3945.2
4°	3897.6
5°	3846.4
6°	3796.3
7°	3749.4
8°	3648.1
9°	3549.9
10°	3443.7
11°	3269.5
12°	3080.5
13°	2837.2
14°	2611.8
15°	2351.2
16°	2096.7
17°	1831.8
18°	1584.1
19°	1333.4
20°	1120.9
21°	918.4
22.5°	673.8
23°	605.2
24°	494.1
25°	403.3
26°	333.5
27°	278.5
28°	234.7
29°	198.2
30°	169.2
32.5°	114.9
35°	77.8
37.5°	52.5
40°	33.3
42.5°	22.9
45°	16.7
47.5°	11.7
50°	7.4
52.5°	4.3
55°	1.9
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6



TEST NUMBER: P499438

CATALOG NUMBER: LDA2B159050R35D010 2LBD1WMH

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.0
72.5°	0.0
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)