

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: P492637

Luminaire Tested: **LDA2B058050R70D010 2LBDL1WMH**

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: P492637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-81)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058050R70D010 2LBDL1WMH
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

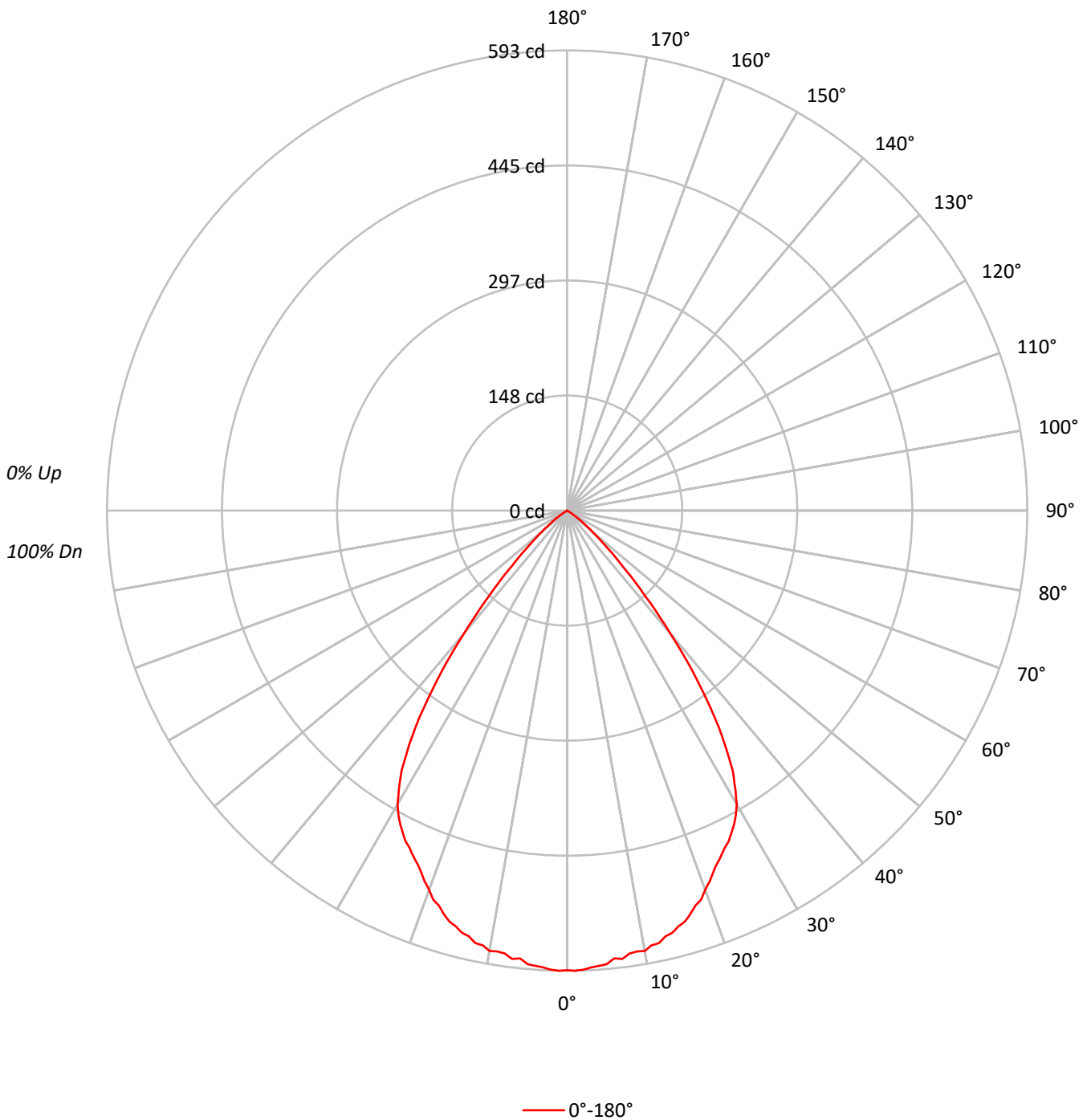
Lumens per Lamp: N/A
Luminaire Lumens: 738.2 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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: P492637

CATALOG NUMBER: LDA2B058050R70D010 2LBDL1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P492637

CATALOG NUMBER: LDA2B058050R70D010 2LBDL1WMH

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	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		74	71	67	66
6	85	75	68	64	83	74	68	63	72	67	63		71	66	63		70	65	62	61
7	80	70	63	59	78	69	63	58	68	62	58		66	61	58		65	61	57	56
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57	53	49	48
10	68	57	51	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	292268
5°	290561
10°	288610
15°	283271
20°	273013
25°	261404
30°	249009
35°	205439
40°	133573
45°	69772
50°	32467
55°	11870
60°	1184
65°	934
70°	577
75°	762
80°	0
85°	0



TEST NUMBER: P492637

CATALOG NUMBER: LDA2B058050R70D010 2LBDL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	7.5
10°-20°	155.8	21.1
20°-30°	221.2	30.0
30°-40°	206.9	28.0
40°-50°	83.2	11.3
50°-60°	14.5	2.0
60°-70°	0.7	0.1
70°-80°	0.4	0.1
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°	432.5	58.6
0°-40°	639.4	86.6
0°-60°	737.1	99.9
0°-90°	738.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	592	
5°	587	55
15°	555	156
25°	480	221
35°	341	207
45°	100	83
55°	14	15
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P492637

CATALOG NUMBER: LDA2B058050R70D010 2LBDL1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	592.4
1°	593.2
2°	592.0
3°	589.5
4°	588.3
5°	586.7
6°	580.2
7°	582.2
8°	576.5
9°	575.3
10°	576.1
11°	570.8
12°	569.6
13°	563.1
14°	560.7
15°	554.6
16°	550.9
17°	543.6
18°	535.1
19°	530.2
20°	520.0
21°	512.3
22.5°	498.1
23°	494.4
24°	487.5
25°	480.2
26°	474.5
27°	466.4
28°	458.2
29°	448.5
30°	437.1
32.5°	397.2
35°	341.1
37.5°	274.9
40°	207.4
42.5°	148.0
45°	100.0
47.5°	65.9
50°	42.3
52.5°	26.4
55°	13.8
57.5°	4.5
60°	1.2
62.5°	0.8
65°	0.8



TEST NUMBER: P492637

CATALOG NUMBER: LDA2B058050R70D010 2LBDL1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)