

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: P492184

Luminaire Tested: **LDA2B058035R65D010 2LBDLC1MMS**

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: P492184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058035R65D010 2LBDLC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

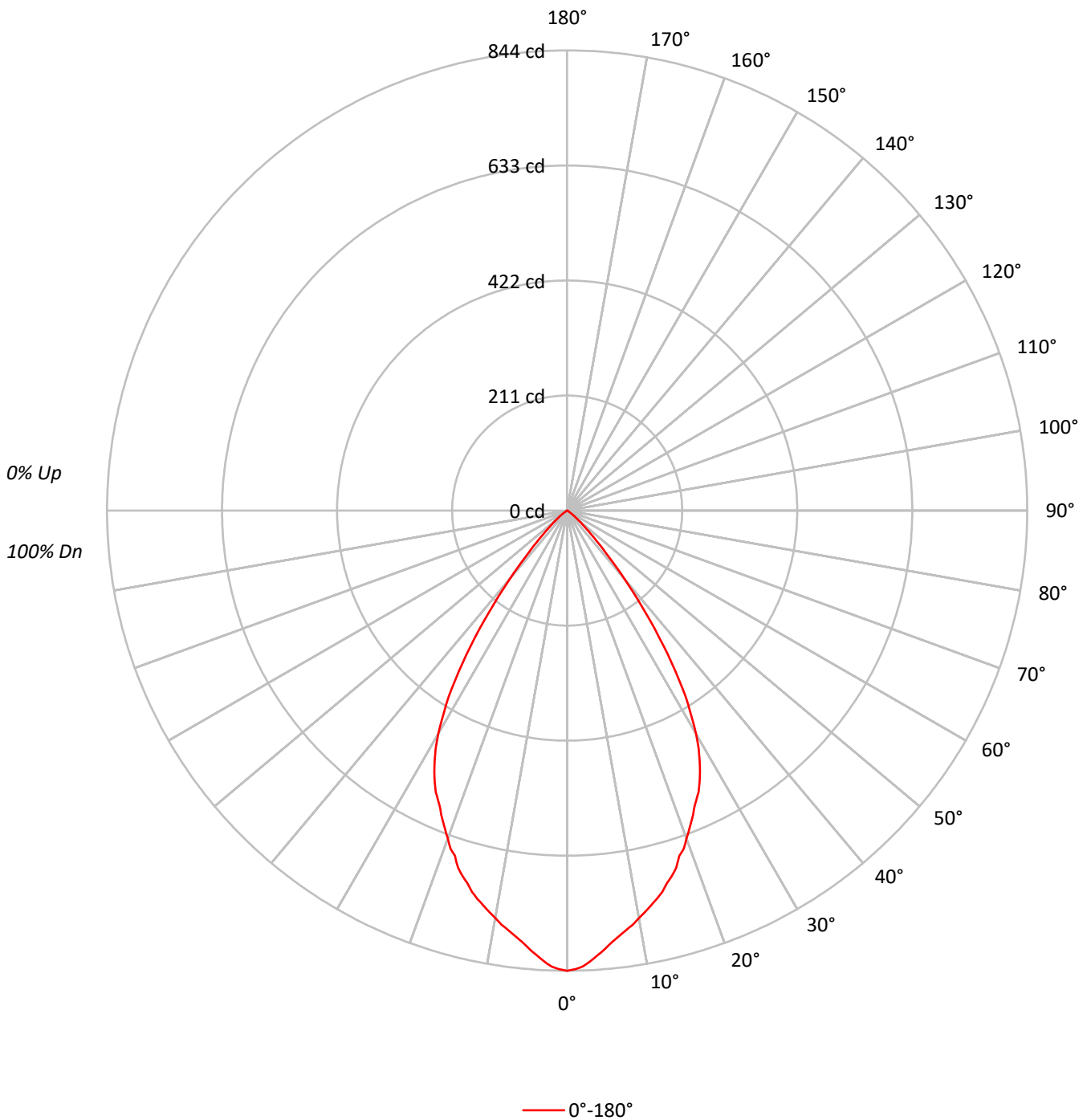
Lumens per Lamp: N/A
Luminaire Lumens: 796.2 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): 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: P492184

CATALOG NUMBER: LDA2B058035R65D010 2LBDLC1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P492184

CATALOG NUMBER: LDA2B058035R65D010 2LBDLC1MMS

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	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	57	54	62	57	54	61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416496
5°	399169
10°	380138
15°	361265
20°	336068
25°	310233
30°	269176
35°	193152
40°	104914
45°	44794
50°	19265
55°	6967
60°	1283
65°	1051
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P492184

CATALOG NUMBER: LDA2B058035R65D010 2LBDLC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	9.5
10°-20°	198.1	24.9
20°-30°	259.0	32.5
30°-40°	197.1	24.8
40°-50°	57.0	7.2
50°-60°	8.6	1.1
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°	532.6	66.9
0°-40°	729.7	91.7
0°-60°	795.2	99.9
0°-90°	796.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	844	
5°	806	75
15°	707	198
25°	570	259
35°	321	197
45°	64	57
55°	8	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P492184

CATALOG NUMBER: LDA2B058035R65D010 2LBDLC1MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	844.2
1°	841.3
2°	836.6
3°	827.2
4°	817.0
5°	806.0
6°	795.3
7°	786.0
8°	777.0
9°	769.0
10°	758.8
11°	749.8
12°	740.5
13°	731.1
14°	720.9
15°	707.3
16°	697.1
17°	684.8
18°	666.0
19°	656.3
20°	640.1
21°	625.6
22.5°	603.5
23°	595.0
24°	581.8
25°	569.9
26°	554.2
27°	536.7
28°	517.6
29°	497.2
30°	472.5
32.5°	404.9
35°	320.7
37.5°	236.5
40°	162.9
42.5°	103.4
45°	64.2
47.5°	40.0
50°	25.1
52.5°	14.9
55°	8.1
57.5°	3.0
60°	1.3
62.5°	0.9
65°	0.9



TEST NUMBER: P492184

CATALOG NUMBER: LDA2B058035R65D010 2LBDLC1MMS

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)