

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: P494351

Luminaire Tested: **LDA2B059730R70D010 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: P494351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059730R70D010 2LBD1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

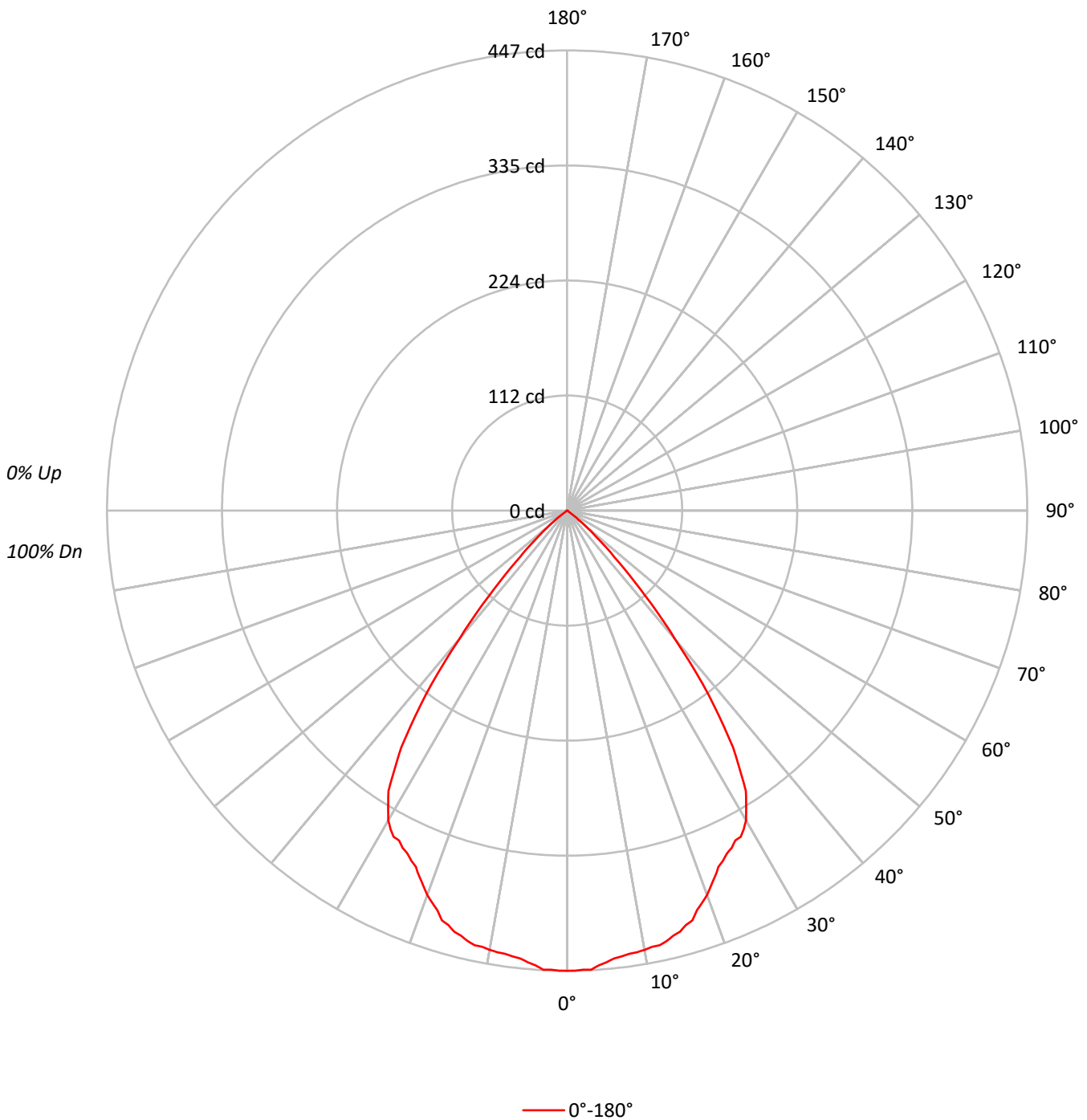
Lumens per Lamp: N/A
Luminaire Lumens: 564.6 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P494351

CATALOG NUMBER: LDA2B059730R70D010 2LBD1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P494351

CATALOG NUMBER: LDA2B059730R70D010 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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75		82	78	74		80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61	57	54	52
9	71	61	55	50	70	61	54	50	60	54	50		59	54	50		58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220582
5°	218156
10°	217071
15°	216309
20°	208592
25°	200000
30°	197966
35°	169061
40°	105493
45°	48840
50°	17653
55°	1204
60°	592
65°	700
70°	433
75°	572
80°	0
85°	0



TEST NUMBER: P494351

CATALOG NUMBER: LDA2B059730R70D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	7.4
10°-20°	118.6	21.0
20°-30°	170.6	30.2
30°-40°	168.1	29.8
40°-50°	59.9	10.6
50°-60°	4.9	0.9
60°-70°	0.5	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°	330.9	58.6
0°-40°	499.1	88.4
0°-60°	563.9	99.9
0°-90°	564.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	564.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	447	
5°	440	42
15°	424	119
25°	367	171
35°	281	168
45°	70	60
55°	1	5
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494351

CATALOG NUMBER: LDA2B059730R70D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	447.1
1°	447.1
2°	446.2
3°	446.5
4°	442.8
5°	440.5
6°	437.3
7°	436.2
8°	434.7
9°	434.4
10°	433.3
11°	431.8
12°	431.8
13°	429.3
14°	425.8
15°	423.5
16°	418.9
17°	416.3
18°	408.2
19°	402.8
20°	397.3
21°	390.1
22.5°	380.0
23°	376.0
24°	372.3
25°	367.4
26°	364.5
27°	359.6
28°	359.0
29°	353.8
30°	347.5
32.5°	323.0
35°	280.7
37.5°	225.7
40°	163.8
42.5°	112.0
45°	70.0
47.5°	41.7
50°	23.0
52.5°	8.6
55°	1.4
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6



TEST NUMBER: P494351

CATALOG NUMBER: LDA2B059730R70D010 2LBD1MMS

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)