

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P1192154

Luminaire Tested: **LDA6A35935D010TE LARL20NF 6LFC1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A35935D010TE LARL20NF 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 20° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

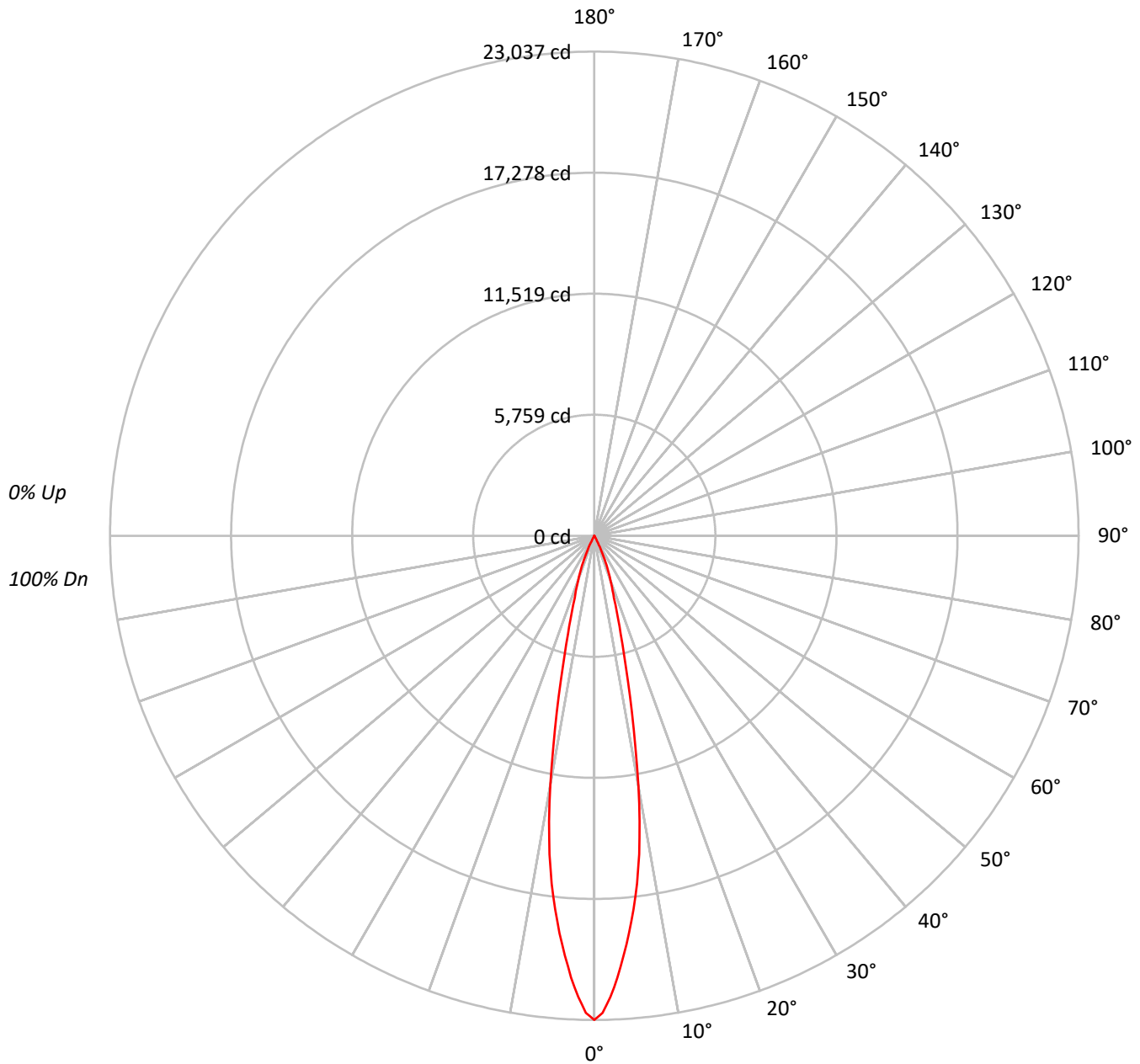
Lumens per Lamp: N/A
Luminaire Lumens: 3479.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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: P1192154

CATALOG NUMBER: LDA6A35935D010TE LARL20NF 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P1192154

CATALOG NUMBER: LDA6A35935D010TE LARL20NF 6LFC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	102	98	95	105	101	97	95	99	96	94	97	95	93	95	93	92	91	91	91
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	87	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	86	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	85	83	81	85	82	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1262892
5°	1044153
10°	671481
15°	273730
20°	130666
25°	48952
30°	3513
35°	696
40°	279
45°	93
50°	102
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P1192154

CATALOG NUMBER: LDA6A35935D010TE LARL20NF 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1600.1	46.0
10°-20°	1465.7	42.1
20°-30°	401.8	11.5
30°-40°	9.9	0.3
40°-50°	1.4	0.0
50°-60°	0.1	0.0
60°-70°	0.0	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°	3467.6	99.7
0°-40°	3477.4	100.0
0°-60°	3479.0	100.0
0°-90°	3479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23037	
5°	18974	###
15°	4823	1466
25°	809	402
35°	10	10
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1192154

CATALOG NUMBER: LDA6A35935D010TE LARL20NF 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	23037.0
1°	22701.4
2°	21956.5
3°	21046.3
4°	20025.2
5°	18974.4
6°	17866.7
7°	16668.8
8°	15300.2
9°	13762.7
10°	12062.7
11°	10265.6
12°	8591.2
13°	7079.6
14°	5853.1
15°	4823.1
17.5°	3090.5
20°	2239.8
22.5°	1514.3
25°	809.3
27.5°	271.0
30°	55.5
32.5°	19.5
35°	10.4
37.5°	6.4
40°	3.9
42.5°	2.5
45°	1.2
47.5°	1.2
50°	1.2
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



TEST NUMBER: P1192154
CATALOG NUMBER: LDA6A35935D010TE LARL20NF 6LFC1

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



85°	0.0
87.5°	0.0

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)